



2018 - 2019 Course Catalog

Graduation Requirements

12th grade student shall graduate if he/she:

Successfully completes a Multidisciplinary Project or a Service Learning Project

Earns a total of 23.5 credits, which include:

- 4 in English
- 3 in Mathematics
- 3 in Science
- 3 in Social Studies
- 1 in African American History
- 2 in World Language
- 2 in Arts and Humanities
- 1 in Physical Education
- 0.5 in Health
- 4 in electives

One elective must be a college preparatory Mathematics or Science course, an IB course, an AP course, or a terminal CTE course. Courses meeting this elective requirement are identified in the catalog by the category Math/Sci/AP/IB.

Scheduling errors and/or missing transfer transcripts do not exempt a student from completely fulfilling district graduation requirements. The Chief of Schools must approve any substitutions for requirements in writing.

All children with disabilities in Pennsylvania have the right to earn a regular high school diploma. Children can earn a diploma by completing the same courses and earning the same number of credits as regular education children. Or, a high school diploma can be awarded to a child with a disability who completes the special education program developed by the IEP Team, graduating by IEP goals

Note: All course descriptions are under review by the Office of Curriculum, Instruction, and Assessment. Updated descriptions will be released as they become available. Course Codes, Course Titles, and Credit Assignments will not be changed during the 2018-2019 academic year.

English

0100 English 1

English 1 courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

Overflow: English > Arts and Humanities > Electives

0200 English 2

English 2 courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

Overflow: English > Arts and Humanities > Electives

0300 English 3

English 3 courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

Overflow: English > Arts and Humanities > Electives

0400 English 4

English 4 courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

Overflow: English > Arts and Humanities > Electives

0610 ELD 1 (English)

English Language Development (ELD) courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ELD courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ELD classes may also include an orientation to the customs and culture of the diverse population in the United States.

Overflow: English > Arts and Humanities > Electives

English

0620 ELD 2 (English)

English Language Development (ELD) courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ELD courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ELD classes may also include an orientation to the customs and culture of the diverse population in the United States.

Overflow: English > Arts and Humanities > Electives

0800 AP English Lang and Comp

The course requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0801 IB Lang A: Lang and Lit - SL

The language A: language and literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0802 IB Lang A: Lang and Lit - SL2

The language A: language and literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

English

0803 IB Lang A: Lang and Lit - HL1

The language A: language and literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0804 IB Lang A: Lang and Lit - HL2

The language A: language and literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0810 AP English Lit and Comp

The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0811 IB Lang A: Literature - SL

The language A: literature course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A: literature, the formal analysis of texts and wide coverage of a variety of literature - both in the language of the subject and in translated texts from other cultural domains - is combined with a study of the way literary conventions shape responses to texts.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0812 IB Lang A: Literature - SL2

The language A: literature course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A: literature, the formal analysis of texts and wide coverage of a variety of literature - both in the language of the subject and in translated texts from other cultural domains - is combined with a study of the way literary conventions shape responses to texts.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

English

0813 IB Lang A: Literature - HL1

The language A: literature course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A: literature, the formal analysis of texts and wide coverage of a variety of literature - both in the language of the subject and in translated texts from other cultural domains - is combined with a study of the way literary conventions shape responses to texts.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

0814 IB Lang A: Literature - HL2

The language A: literature course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A: literature, the formal analysis of texts and wide coverage of a variety of literature - both in the language of the subject and in translated texts from other cultural domains - is combined with a study of the way literary conventions shape responses to texts.

Overflow: English > Math/Sci or AP/IB > Arts and Humanities > Electives

Social Studies

1000 World History

World History courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History courses may include geographical studies, but often these components are not as explicitly taught as geography.

Overflow: Social Studies > Arts and Humanities > Electives

1100 United States History

U.S. History courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

Overflow: Social Studies > Arts and Humanities > Electives

1200 Social Science

Social Science courses combine a study of the structure of national, state, and local U.S. government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. These courses prepare students to perform effectively as informed citizens.

Overflow: Social Studies > Arts and Humanities > Electives

Social Studies

1300 African American History

African American History provides students of all ethnicities an opportunity to explore ancient African civilizations, the slave trade, the role of African Americans (both enslaved and free) in the growth of our nation, the anti-slavery movement, the Civil War and Reconstruction, decades of cultural achievement despite continued repression and the Civil Right Movement, including legislative and judicial landmarks. The course is designed to meet the needs of minority students of African descent to 1) understand and appreciate their African origins and 2) trace the history of their forefathers' enslavement, liberation and on-going struggle for equality in the United States. Students will engage in independent reading and research regarding the lives of prominent African American leaders.

Overflow: Social Studies > Arts and Humanities > Electives

1800 AP World History

This course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1810 AP United States History

Seven themes of equal importance -- American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society -- provide areas of historical inquiry for investigation throughout the course. These require students to reason -- historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1811 IB History - SL

The history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1812 IB History - SL2

The history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

Social Studies

1813 IB History - HL1

The history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1814 IB History - HL2

The history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1820 AP US Government and Politics

The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1821 IB Global Politics - SL

The global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1822 IB Global Politics - SL2

The global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1823 IB Global Politics - HL1

The global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

Social Studies

1824 IB Global Politics - HL2

The global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

1825 AP Comparative Govt and Pol

The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

Overflow: Social Studies > Math/Sci or AP/IB > Arts and Humanities > Electives

Math

2000 Algebra 1

Algebra 1 courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

Overflow: Math > Math/Sci or AP/IB > Electives

2100 Geometry

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Overflow: Math > Math/Sci or AP/IB > Electives

2200 Algebra 2

Algebra 2 course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Overflow: Math > Math/Sci or AP/IB > Electives

Math

2260 Statistics

Statistics courses introduce the analysis, interpretation, and presentation of quantitative data. Course topics generally include populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

Overflow: Math > Math/Sci or AP/IB > Electives

2300 Pre-Calculus

Precalculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

Overflow: Math > Math/Sci or AP/IB > Electives

2340 Calculus

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of precalculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

Overflow: Math > Math/Sci or AP/IB > Electives

2811 IB Mathematics - SL

The mathematics standard level course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on the mathematical rigour required for mathematics HL. Students should, wherever possible, apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context.

Overflow: Math > Math/Sci or AP/IB > Electives

2812 IB Mathematics - SL2

The mathematics standard level course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on the mathematical rigour required for mathematics HL. Students should, wherever possible, apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context.

Overflow: Math > Math/Sci or AP/IB > Electives

Math

2813 IB Mathematics - HL1

The higher level mathematics course focuses on developing important mathematical concepts in a comprehensible, coherent and rigorous way, achieved by a carefully balanced approach. Students are encouraged to apply their mathematical knowledge to solve problems set in a variety of meaningful contexts. Development of each topic should feature justification and proof of results. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. They are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas.

Overflow: Math > Math/Sci or AP/IB > Electives

2814 IB Mathematics - HL2

The higher level mathematics course focuses on developing important mathematical concepts in a comprehensible, coherent and rigorous way, achieved by a carefully balanced approach. Students are encouraged to apply their mathematical knowledge to solve problems set in a variety of meaningful contexts. Development of each topic should feature justification and proof of results. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. They are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments. The internally assessed exploration allows students to develop independence in mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas.

Overflow: Math > Math/Sci or AP/IB > Electives

2820 AP Statistics

The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Overflow: Math > Math/Sci or AP/IB > Electives

2831 AP Calculus AB

The course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Overflow: Math > Math/Sci or AP/IB > Electives

Math

2832 AP Calculus BC

The course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Overflow: Math > Math/Sci or AP/IB > Electives

2841 IB Mathematical Studies - SL

The mathematical studies course focuses on important interconnected mathematical topics. The syllabus focuses on: placing more emphasis on student understanding of fundamental concepts than on symbolic manipulation and complex manipulative skills; giving greater emphasis to developing students' mathematical reasoning rather than performing routine operations; solving mathematical problems embedded in a wide range of contexts; using the calculator effectively. There is an emphasis on applications of mathematics and statistical techniques. It is designed to offer students with varied mathematical backgrounds and abilities the opportunity to learn important concepts and techniques and to gain an understanding of a wide variety of mathematical topics, preparing them to solve problems in a variety of settings, develop more sophisticated mathematical reasoning and enhance their critical thinking.

Overflow: Math > Math/Sci or AP/IB > Electives

2842 IB Mathematical Studies - SL2

The mathematical studies course focuses on important interconnected mathematical topics. The syllabus focuses on: placing more emphasis on student understanding of fundamental concepts than on symbolic manipulation and complex manipulative skills; giving greater emphasis to developing students' mathematical reasoning rather than performing routine operations; solving mathematical problems embedded in a wide range of contexts; using the calculator effectively. There is an emphasis on applications of mathematics and statistical techniques. It is designed to offer students with varied mathematical backgrounds and abilities the opportunity to learn important concepts and techniques and to gain an understanding of a wide variety of mathematical topics, preparing them to solve problems in a variety of settings, develop more sophisticated mathematical reasoning and enhance their critical thinking.

Overflow: Math > Math/Sci or AP/IB > Electives

2843 IB Further Mathematics - HL1

The further mathematics course caters for students with a very strong background in mathematics who have attained a high degree of competence in a range of analytical and technical skills, and who display considerable interest in the subject. Most of these students will expect to study mathematics at university, either as a subject in its own right or as a major component of a related subject. The course is designed specifically to allow students to learn about a variety of branches of mathematics in depth and also to appreciate practical applications. It is expected that students taking this course will also be taking mathematics HL.

Overflow: Math > Math/Sci or AP/IB > Electives

Math

2844 **IB Further Mathematics - HL2**

The further mathematics course caters for students with a very strong background in mathematics who have attained a high degree of competence in a range of analytical and technical skills, and who display considerable interest in the subject. Most of these students will expect to study mathematics at university, either as a subject in its own right or as a major component of a related subject. The course is designed specifically to allow students to learn about a variety of branches of mathematics in depth and also to appreciate practical applications. It is expected that students taking this course will also be taking mathematics HL.

Overflow: Math > Math/Sci or AP/IB > Electives

Science

3000 **Biology**

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Overflow: Science > Math/Sci or AP/IB > Electives

3100 **Chemistry**

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Overflow: Science > Math/Sci or AP/IB > Electives

3200 **Physics**

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Overflow: Science > Math/Sci or AP/IB > Electives

3300 **Physical Science**

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

Overflow: Science > Math/Sci or AP/IB > Electives

3400 **Environmental Science**

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Overflow: Science > Math/Sci or AP/IB > Electives

Science

3800 AP Biology

Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices.

Overflow: Science > Math/Sci or AP/IB > Electives

3801 IB Biology - SL

By studying biology, students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

3802 IB Biology - SL2

By studying biology, students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

3803 IB Biology - HL1

By studying biology, students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

3804 IB Biology - HL2

By studying biology, students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

Science

3810 AP Chemistry

Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course requires that 25 percent of the instructional time provides students with opportunities to engage in laboratory investigations. This includes a minimum of 16 hands-on labs, at least six of which are inquiry based.

Overflow: Science > Math/Sci or AP/IB > Electives

3811 IB Chemistry - SL

Both theory and practical work should be undertaken by all students as they complement one another naturally, both in school and in the wider scientific community. The chemistry course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century.

Overflow: Science > Math/Sci or AP/IB > Electives

3812 IB Chemistry - SL2

Both theory and practical work should be undertaken by all students as they complement one another naturally, both in school and in the wider scientific community. The chemistry course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century.

Overflow: Science > Math/Sci or AP/IB > Electives

3813 IB Chemistry - HL1

Both theory and practical work should be undertaken by all students as they complement one another naturally, both in school and in the wider scientific community. The chemistry course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century.

Overflow: Science > Math/Sci or AP/IB > Electives

3814 IB Chemistry - HL2

Both theory and practical work should be undertaken by all students as they complement one another naturally, both in school and in the wider scientific community. The chemistry course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century.

Overflow: Science > Math/Sci or AP/IB > Electives

Science

3820 AP Physics 1: Algebra-Based

Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices.

Overflow: Science > Math/Sci or AP/IB > Electives

3821 IB Physics - SL

By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

3822 IB Physics - SL2

By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

3823 IB Physics - HL1

By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

3824 IB Physics - HL2

By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings.

Overflow: Science > Math/Sci or AP/IB > Electives

Science

3825 AP Physics 2: Algebra-Based

Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices.

Overflow: Science > Math/Sci or AP/IB > Electives

3826 AP Physics C: Mechanics

The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. Students should spend a minimum of 20 percent of instructional time engaged in hands-on laboratory work. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student should complete a lab notebook or portfolio of lab reports.

Overflow: Science > Math/Sci or AP/IB > Electives

3827 AP Physics C: Elec and Mag

The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Students should spend a minimum of 20 percent of instructional time engaged in hands-on laboratory work. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student should complete a lab notebook or portfolio of lab reports.

Overflow: Science > Math/Sci or AP/IB > Electives

3840 AP Environmental Science

The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Although there are no specific Environmental Science labs or field investigations required for the course, it is expected that students perform as many labs/field investigations as possible.

Overflow: Science > Math/Sci or AP/IB > Electives

3841 IB Enviro Sys and Soc - SL

ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

Overflow: Science > Math/Sci or AP/IB > Electives

Science

3842 **IB Enviro Sys and Soc - SL2**

ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

Overflow: Science > Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

2270 **Discrete Math**

Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory.

Overflow: Math/Sci or AP/IB > Electives

2510 **Applied Mathematics**

Applied Mathematics courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems.

Overflow: Math/Sci or AP/IB > Electives

2520 **Math of Personal Finance**

Math of Personal Finance courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Overflow: Math/Sci or AP/IB > Electives

2560 **Language of Math Sheltered**

The course is designed for newcomer high school students who either have limited and/or interrupted formal schooling or will benefit from a mathematics course to prepare them for Algebra I. In addition to learning and/or reviewing mathematical concepts and skills, students will expand their knowledge of the English academic language of mathematics.

Overflow: Math/Sci or AP/IB > Electives

3005 **Biology 2**

Usually taken after a comprehensive initial study of biology, Biology Advanced Studies courses cover biological systems in more detail. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

3103 Organic Chemistry Honors

Organic Chemistry courses involve the study of organic molecules and functional groups. Topics covered may include nomenclature, bonding molecular structure and reactivity, reaction mechanisms, and current spectroscopic techniques.

Overflow: Math/Sci or AP/IB > Electives

3105 Chemistry 2

Usually taken after a comprehensive initial study of chemistry, Chemistry Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

Overflow: Math/Sci or AP/IB > Electives

3205 Physics 2

Usually taken after a comprehensive initial study of physics, Physics Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Overflow: Math/Sci or AP/IB > Electives

3403 Environmental Science 2

Usually taken after a comprehensive initial study of environmental science, Environmental Science Advanced Studies courses cover the relationships between organisms and their environment in more detail. Advanced environmental science includes interdisciplinary topics from geology, biology, environmental studies, chemistry, and geography.

Overflow: Math/Sci or AP/IB > Electives

3405 Earth Science

Earth Science courses offer insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

Overflow: Math/Sci or AP/IB > Electives

3505 Astronomy

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Overflow: Math/Sci or AP/IB > Electives

3510 Anatomy & Physiology

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

3511 Medical Terminology

In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

Overflow: Math/Sci or AP/IB > Electives

3512 Pharmacology Honors

Pharmacology courses involve a study of how living animals can be changed by chemical substances, especially by the actions of drugs and other substances used to treat disease. Basic concepts of physiology, pathology, biochemistry, and bacteriology are typically brought into play as students examine the effects of drugs and their mechanisms of action.

Overflow: Math/Sci or AP/IB > Electives

3515 Genetics

Genetics courses provide students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis and hypostasis, and polygenic inheritance.

Overflow: Math/Sci or AP/IB > Electives

3516 Bioethics

Bioethics courses introduce students to the principles of medical law, medical ethics, and bioethics. These courses emphasize the function of law and ethical issues as it applies to the medical environment.

Overflow: Math/Sci or AP/IB > Electives

3520 Survey of Engineering

Survey of Engineering courses integrate technology-oriented applications of mathematics and science into pre-engineering activities for students. Course topics may include material sciences, technology processes, enterprises, and career opportunities.

Overflow: Math/Sci or AP/IB > Electives

3525 Engineering

Engineering courses provide students with the opportunity to focus on one or more areas of industrial technology. Students apply technological processes to solve real engineering problems; develop the knowledge and skills to design, modify, use, and apply technology; and may also design and build prototypes and working models. Topics covered in the course include the nature of technology, use of technology, and design processes.

Overflow: Math/Sci or AP/IB > Electives

3530 Robotics

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

3535 Forensics

Forensics courses involve the application of biological, chemical, and physical science principles to data and physical evidence related to evidence collection and analysis. The courses focus on the application of scientific knowledge and scientific principles to collect, preserve, and analyze evidence in a laboratory setting. Topics may include but are not limited to entomology, forensic anthropology, serology, and fingerprinting.

Overflow: Math/Sci or AP/IB > Electives

3540 Science Research

In Scientific Research courses, students conceive of, design, and complete a project using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling or manipulating variables, data analysis, and a coherent display of the project and its outcome(s).

Overflow: Math/Sci or AP/IB > Electives

3550 Contemporary Issues in Science

The specific content of Contemporary Issues courses varies, but they draw upon the principles of several scientific specialties"earth science, physical science, biology, chemistry, and physics"and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

Overflow: Math/Sci or AP/IB > Electives

9691 Computer Science

Computer Science courses provide students the opportunity use programming, computational thinking, and data analytics to create digital artifacts and documents representing design and analysis in areas including the Internet, algorithms, and the impact that these have on science, business, and society. Computer Science Principles courses teach students to use computational tools and techniques including abstraction, modeling, and simulation to collaborate in solving problems that connect computation to their lives.

Overflow: Math/Sci or AP/IB > Electives

9800 AP Seminar

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

9805 IB Creativity, Act, Service

A CAS experience is a specific event in which the student engages with one or more of the three CAS strands: Creativity"exploring and extending ideas leading to an original or interpretive product or performance; Activity"physical exertion contributing to a healthy lifestyle; or Service"collaborative and reciprocal engagement with the community in response to an authentic need. A CAS project is a collaborative series of sequential CAS experiences lasting at least one month.

Overflow: Math/Sci or AP/IB > Electives

9810 AP Research

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question.

Overflow: Math/Sci or AP/IB > Electives

9815 IB Extended Essay

The extended essay is a compulsory, externally assessed piece of independent research into a topic chosen by the student and presented as a formal piece of academic writing. The extended essay is intended to promote high-level research and writing skills, intellectual discovery and creativity while engaging students in personal research. This leads to a major piece of formally presented, structured writing of up to 4,000 words in which ideas and findings are communicated in a reasoned, coherent and appropriate manner.

Overflow: Math/Sci or AP/IB > Electives

9820 IB Theory of Knowledge

Theory of knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the DP by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share. The overall aim of TOK is to encourage students to formulate answers to the question "how do you know?" in a variety of contexts, and to see the value of that question. This allows students to develop an enduring fascination with the richness of knowledge.

Overflow: Math/Sci or AP/IB > Electives

9831 IB Business Management - SL

The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

9832 IB Business Management - SL2

The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.

Overflow: Math/Sci or AP/IB > Electives

9833 IB Business Management - HL1

The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.

Overflow: Math/Sci or AP/IB > Electives

9834 IB Business Management - HL2

The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyse, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the sociocultural and economic contexts in which those organizations operate.

Overflow: Math/Sci or AP/IB > Electives

9860 AP Computer Science Principles

In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

Overflow: Math/Sci or AP/IB > Electives

9861 IB Computer Science - SL

The computer science course requires an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. Students study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

9862 IB Computer Science - SL2

The computer science course requires an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. Students study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved.

Overflow: Math/Sci or AP/IB > Electives

9863 IB Computer Science - HL1

The computer science course requires an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. Students study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved.

Overflow: Math/Sci or AP/IB > Electives

9864 IB Computer Science - HL2

The computer science course requires an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. Students study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved.

Overflow: Math/Sci or AP/IB > Electives

9865 AP Computer Science A

The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

Overflow: Math/Sci or AP/IB > Electives

9866 IB Design Technology - SL

The design technology course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world.

Overflow: Math/Sci or AP/IB > Electives

Math/Sci or AP/IB

9867 IB Design Technology - SL2

The design technology course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world.

Overflow: Math/Sci or AP/IB > Electives

9868 IB Design Technology - HL1

The design technology course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world.

Overflow: Math/Sci or AP/IB > Electives

9869 IB Design Technology - HL2

The design technology course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world.

Overflow: Math/Sci or AP/IB > Electives

World Language

4000 Spanish 1

Designed to introduce students to Spanish language and culture, Spanish 1 courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4005 Spanish for Spanish Speakers 1

Spanish for Native Speakers courses prepare native and heritage speakers to communicate in Spanish in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Spanish for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Spanish-speaking world.

Overflow: World Language > Arts and Humanities > Electives

4010 Spanish 2

Spanish 2 courses build upon skills developed in Spanish 1, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish 2 courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4015 Spanish for Spanish Speakers 2

Spanish for Native Speakers courses prepare native and heritage speakers to communicate in Spanish in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Spanish for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Spanish-speaking world.

Overflow: World Language > Arts and Humanities > Electives

4020 Spanish 3

Spanish 3 courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4030 Spanish 4

Spanish 4 courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4050 Portuguese 1

Designed to introduce students to Portuguese language and culture, Portuguese 1 courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4060 Portuguese 2

Portuguese 2 courses build upon skills developed in Portuguese 1, preparing students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Portuguese 2 courses introduce the relationships among the products, practices, and perspectives of Portuguese-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4070 Portuguese 3

Portuguese 3 courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4080 Portuguese 4

Portuguese 4 courses prepare students to communicate authentically in Portuguese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Portuguese 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Portuguese-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4100 French 1

Designed to introduce students to French language and culture, French 1 courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of French-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4110 French 2

French 2 courses build upon skills developed in French 1, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. French 2 courses introduce the relationships among the products, practices, and perspectives of French-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4120 French 3

French 3 courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of French-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4130 French 4

French 4 courses prepare students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. French 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of French-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4150 American Sign Language 1

Designed to introduce students to American Sign Language language and culture, American Sign Language 1 courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on a variety of topics. They introduce the relationship among the practices, perspectives, and cultures of deaf people and communities.

Overflow: World Language > Arts and Humanities > Electives

4160 American Sign Language 2

American Sign Language 2 courses build upon skills developed in American Sign Language 1, preparing students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. American Sign Language 2 courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities.

Overflow: World Language > Arts and Humanities > Electives

4170 American Sign Language 3

American Sign Language 3 courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the practices, perspectives, and cultures of deaf people and communities.

Overflow: World Language > Arts and Humanities > Electives

4180 American Sign Language 4

American Sign Language 4 courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. American Sign Language 4 courses promote students' understanding of the relationships among the practices, perspectives, and cultures of deaf people and communities.

Overflow: World Language > Arts and Humanities > Electives

4200 Chinese 1

Designed to introduce students to Chinese language and culture, Chinese 1 courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Chinese-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4210 Chinese 2

Chinese 2 courses build upon skills developed in Chinese 1, preparing students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Chinese 2 courses introduce the relationships among the products, practices, and perspectives of Chinese-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4220 Chinese 3

Chinese 3 courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Chinese-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4230 Chinese 4

Chinese 4 courses prepare students to communicate authentically in Chinese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Chinese 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Chinese-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4250 Japanese 1

Designed to introduce students to Japanese language and culture, Japanese 1 courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4260 Japanese 2

Japanese 2 courses build upon skills developed in Japanese 1, preparing students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Japanese 2 courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4270 Japanese 3

Japanese 3 courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4280 Japanese 4

Japanese 4 courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Japanese 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Japanese-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4300 German 1

Designed to introduce students to Italian language and culture, German 1 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4310 German 2

German 2 courses build upon skills developed in German 1, preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. German 2 courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4320 German 3

German 3 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Italian-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4330 German 4

German 4 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4350 Italian 1

Designed to introduce students to Italian language and culture, Italian 1 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4360 Italian 2

Italian 2 courses build upon skills developed in Italian 1, preparing students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Italian 2 courses introduce the relationships among the products, practices, and perspectives of Italian-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4370 Italian 3

Italian 3 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Italian-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4380 Italian 4

Italian 4 courses prepare students to communicate authentically in Italian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Italian 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Italian-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4400 Russian 1

Designed to introduce students to Russian language and culture, Russian 1 courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4410 Russian 2

Russian 2 courses build upon skills developed in Russian 1, preparing students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Russian 2 courses introduce the relationships among the products, practices, and perspectives of Russian-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4420 Russian 3

Russian 3 courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Russian-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4430 Russian 4

Russian 4 courses prepare students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Russian 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Russian-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4450 Arabic 1

Designed to introduce students to Arabic language and culture, Arabic 1 courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4460 Arabic 2

Arabic 2 courses build upon skills developed in Arabic 1, preparing students to communicate authentically in Russian by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Arabic 2 courses introduce the relationships among the products, practices, and perspectives of Arabic-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4470 Arabic 3

Arabic 3 courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4480 Arabic 4

Arabic 4 courses prepare students to communicate authentically in Arabic by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Arabic 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Arabic-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4500 Latin 1

Designed to introduce students to Latin language and culture, Latin 1 courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

World Language

4510 Latin 2

Latin 2 courses build upon skills developed in Latin 1, preparing students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Latin 2 courses introduce the relationships among the products, practices, and perspectives of Latin-speaking cultures.

Overflow: World Language > Arts and Humanities > Electives

4520 Latin 3

Latin 3 courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Latin-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4530 Latin 4

Latin 4 courses prepare students to communicate authentically in Latin by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Latin 4 courses promote students' understanding of the relationships among the products, practices, and perspectives of Latin-speaking countries and cultures.

Overflow: World Language > Arts and Humanities > Electives

4800 AP Spanish Lang and Culture

The course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The course engages students in an exploration of culture in both contemporary and historical contexts.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4801 IB Language B - Spanish - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4802 IB Language B - Spanish - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4803 IB Language B - Spanish - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4804 IB Language B - Spanish - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4805 AP Spanish Lit and Culture

The course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4806 IB Lang Ab Initio Spanish - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4807 IB Lang Ab Initio Span - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4810 AP French Language and Culture

The course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The course engages students in an exploration of culture in both contemporary and historical contexts.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4811 IB Language B - French - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4812 IB Language B - French - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4813 IB Language B - French - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4814 IB Language B - French - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4816 IB Lang Ab Initio French - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4817 IB Lang Ab Initio French - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4820 AP Chinese Lang and Culture

This course in Mandarin Chinese emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Chinese. The course engages students in an exploration of culture in both contemporary and historical contexts.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4821 IB Language B - Chinese - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4822 IB Language B - Chinese - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4823 IB Language B - Chinese - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4824 IB Language B - Chinese - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4825 AP Japanese Lang and Culture

The course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to emphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Japanese. The course engages students in an exploration of culture in both contemporary and historical contexts. Additionally, students develop a command of a significant number of the most prevalent kanji characters used in Japanese writing.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4826 IB Lang Ab Initio Chinese - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4827 IB Lang Ab Initio Chin - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4828 IB Language A - Chinese - SL

The language A: language and literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4829 IB Language A - Chinese - SL2

The language A: language and literature course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB DP students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4830 AP German Language and Culture

The course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German. The course engages students in an exploration of culture in both contemporary and historical contexts.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4831 IB Language B - German - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4832 IB Language B - German - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4833 IB Language B - German - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4834 IB Language B - German - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4835 AP Italian Lang and Culture

The course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Italian. The course engages students in an exploration of culture in both contemporary and historical contexts.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4836 IB Lang Ab Initio German - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4837 IB Lang Ab Initio German - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4841 IB Language B - Russian - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4842 IB Language B - Russian - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4843 IB Language B - Russian - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4844 IB Language B - Russian - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4846 IB Lang Ab Initio Russian - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4847 IB Lang Ab Initio Russ - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4850 AP Latin

The course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4851 IB Classical Lang, Latin - SL

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4852 IB Classical Lang, Latin - SL2

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4853 IB Classical Lang, Latin - HL1

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4854 IB Classical Lang, Latin - HL2

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4861 IB Classical Lang, Greek - SL

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4862 IB Classical Lang, Greek - SL2

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4863 IB Classical Lang, Greek - HL1

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4864 IB Classical Lang, Greek - HL2

The classical languages course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4871 IB Language B - Japanese - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4872 IB Language B - Japanese - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4873 IB Language B - Japanese - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4874 IB Language B - Japanese - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4876 IB Lang Ab Initio Jap - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4877 IB Lang Ab Initio Jap - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4881 IB Language B - Italian - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4882 IB Language B - Italian - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4883 IB Language B - Italian - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4884 IB Language B - Italian - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4886 IB Lang Ab Initio Italian - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4887 IB Lang Ab Initio Ital - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4891 IB Language B - Arabic - SL

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4892 IB Language B - Arabic - SL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4893 IB Language B - Arabic - HL1

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4894 IB Language B - Arabic - HL2

The language B course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Students should be able to follow university courses in other disciplines in the language B that is studied.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

World Language

4896 IB Lang Ab Initio Arabic - SL

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

4897 IB Lang Ab Initio Arabic - SL2

The language ab initio course is designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities through the development of receptive, productive and interactive skills by providing them opportunities to respond and interact appropriately in a defined range of everyday situations.

Overflow: World Language > Math/Sci or AP/IB > Arts and Humanities > Electives

Health

7000 Health

Health Education, Core Curriculum, addresses the knowledge and skills needed by students to understand health risks and the importance of healthy choices. Students receive instruction regarding choices and consequences of behaviors that result in unintentional and intentional injury, tobacco use, alcohol and other drug use, sexual behaviors that result in HIV infection, other sexually transmitted diseases, or unintended pregnancy, imprudent dietary behaviors and inadequate physical activity. Students will also review the concepts of personal, mental, consumer, community and environmental health. Students will refine critical thinking, personal and social skills in relationship to maintaining their own health and transitioning to a healthy adulthood. This course of study will reinforce the students' ability to access accurate health information, make healthy decisions, take responsibility for their personal health, and the importance of advocating healthy choices to others as they prepare to enter post-secondary institutions, the workplace and adulthood.

Overflow: Health > Electives

7300 Safety in the Community

The Red Cross First Aid/CPR/AED course certifies participants in Red Cross First Aid, adult, child and infant CPR, and operation of an Automatic External Defibrillator (AED) machine. Workplace First Aid includes training in OSHA safety, slips, trips, and falls, workplace stress, ergonomics, and preventing workplace violence. Students will have the opportunity to obtain certification in all of these areas. These certifications will be an important addition to a students resume. This course will increase the students' employability during summer recess and will be most beneficial to students in 12th grade, as the certifications will remain current for a time after graduation.

Overflow: Health > Electives

Health

7500 Wellness

Wellness incorporates positive health behaviors needed to enhance and enrich the lives of students and their families. Healthy nutritional choices combined with adequate physical activity, risk education, stress management, disease prevention and management, safety in home, school and community are included in the course content. Students will work as teams and each module will include project-based learning. Students will design comprehensive wellness plans for families and communities as a final product of this course.

Overflow: Health > Electives

Physical Education

7100 Personal Fitness

This elective is based on the Personal Fitness: Looking Good/Feeling Good program. Intense research and coverage includes: Components of Fitness, Goal setting for teenagers, Guidelines for Exercise, Principles of Training, Flexibility, Cardiovascular Fitness, Muscular Fitness, Nutrition, Body Composition and Weight Control, Stress, Consumer Needs and Designing a Personal Fitness Program. This course is project based and requires both group and individual projects. The course will include both theory and practice, with time dedicated to the classroom and fitness center. Future careers in Wellness will be explored and discussed.

Overflow: Physical Education > Electives

7200 Physical Education

Physical Education, Core Curriculum, includes content and skills to support students' proficiency in physical fitness concepts, self-reliance and self-confidence activities and team and individual sports concepts and skills. Students are provided with opportunities to explore a variety of activities that promote healthy fitness, including traditional and non-traditional choices. Emphasis is placed on individual improvement and maintenance of fitness within an established healthy zone. Students are introduced to the careers that are available in the health and fitness professions. Students will exhibit expertise in setting individual goals for lifelong fitness and wellness.

Overflow: Physical Education > Electives

7310 Officiating and Management

This course is meant to provide students with a greater understanding involved with the officiating and management of a sporting event. Students will learn how to develop an event from discussion through fruition to assist local recreational sports youth groups in the operation of their programs. This course would address; sportsmanship guidelines, parental guidelines, gameday preparation, coaches responsibilities, injury management, facility management, fundraising, recruitment, tournaments and officiating. The class will focus on officiating and safety by assisting students as they prepare for a Soccer Referee exam so they can help their neighborhood teams and earn money, as well as provide First Aid-CPR- AED instruction so students can take a Red Cross Certification Challenge and become a certified rescuer.

Overflow: Physical Education > Electives

Physical Education

7350 Aquatics

Students will be introduced to and develop a keen understanding of lifetime fitness activities found in the water such as swimming, boating and water sports. Students will move through a progression of performance skills that will improve their aerobic and muscular fitness, self-confidence, strength, coordination and general health. Students will also practice safety skills that are critical around any body of water.

Overflow: Physical Education > Electives

7400 Principles of Training

This course will teach basic first aid in relation to injuries that occur in recreational or athletic activities. The students may use a computer-assisted program (Cramer) and will study anatomy and learn the relationship of the body parts, movement and injuries that occur during participation in exercise or sport. They will also learn how to prevent injury through a series of strategies used by recreational and professional sport enthusiasts. The final focus of his program will be on possible careers in sports medicine and athletic training.

Overflow: Physical Education > Electives

7410 Unified Sports

Unified Sports is an inclusive PE elective in partnership with Special Olympics that empowers students with and without intellectual disabilities to work together in sport, wellness and leadership development. Students will train and compete as teammates in Unified Sports, including but not limited to soccer, bocce, basketball, track, and fitness. Students will prepare for games and competition against schools across Philadelphia with opportunities for advancement to state level competitions. Additionally, students will have the opportunity to work collaboratively in planning school-wide awareness campaigns creating a more inclusive and accepting school environment for all students. The below video gives a glimpse of what happens in Unified Sports.

<https://www.youtube.com/watch?v=E2rZ8d1kBm8&t>

Overflow: Physical Education > Electives

9511 JROTC/Air Force 1

Air Force Junior Reserve Officer Training Corps (ROTC) 1 courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover the heritage and development of the Air Force, including its structure, operations, customs, and courtesies. Aerospace topics include the development, history, and impact of flight; aircraft and spacecraft; and the environment in which these crafts operate.

Overflow: Physical Education > Electives

9512 JROTC/Air Force 2

Air Force Junior Reserve Officer Training Corps (ROTC) 2 courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drill, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation.

Overflow: Physical Education > Electives

Physical Education

9513 JROTC/Air Force 3

Air Force Junior Reserve Officer Training Corps (ROTC) 3 courses include both aerospace studies and leadership/life skills education. These courses continue to develop students' life and leadership skills and the ways in which they apply to military life. Aerospace topics emphasize space technology and exploration; examine national defense systems; and advance students' knowledge of aviation, propulsion, and navigation.

Overflow: Physical Education > Electives

9514 JROTC/Air Force 4

Air Force Junior Reserve Officer Training Corps (ROTC) 4 courses include both aerospace studies and leadership/life skills education. The life skills education portion of these courses concentrates on leadership and management principles and career opportunities, and aerospace topics include advanced aerodynamics and aeronautics. Course content may also cover elements of national power and relationships between the nations of the world.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

9521 JROTC/Army 1

Army Junior Reserve Officer Training Corps (ROTC) 1 courses include instruction in the organization and functions of the U.S. Army, leadership skills, and life skills education. The content of these courses cover (but is not limited to) the history and evolution of the Army, including its structure, operations, customs and courtesies; maps and navigation; first aid, personal hygiene, and field sanitation; and substance abuse prevention. These courses also introduce students to principles of leadership and citizenship.

Overflow: Physical Education > Electives

9522 JROTC/Army 2

Army Junior Reserve Officer Training Corps (ROTC) 2 courses build upon the content of Army Junior ROTC 1 and include (but are not limited to) ongoing instruction in leadership principles and citizenship; drill and ceremonies; organizational structure; command and staff relationships, functions, and responsibilities; significant military campaigns and leaders; map-reading and orienteering; weapon safety and marksmanship; and survival training.

Overflow: Physical Education > Electives

9523 JROTC/Army 3

Army Junior Reserve Officer Training Corps (ROTC) 3 courses build upon prior Army Junior ROTC courses, giving more emphasis to leadership development. These courses serve to strengthen students' leadership skills (including planning, problem-solving, motivation, and performance appraisal) and management skills (with regard to time, personnel, and other resources) through allowing them to assume leadership duties. Students study topics introduced in earlier years "such as military history, map-reading and orienteering, marksmanship, and drill and ceremonies" at a more advanced level and are also provided with military service opportunities.

Overflow: Physical Education > Electives

Physical Education

9524 JROTC/Army 4

Army Junior Reserve Officer Training Corps (ROTC) 4 courses focus on practical leadership by assigning students to command and staff positions in which they present instruction to lower Army Junior ROTC classes and continue to study and review staff functions and actions, staff-commander relationships, and leadership principles. Topics introduced in earlier years may be studied at more advanced levels.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

9531 JROTC/Navy 1

Naval Junior Reserve Officer Training Corps (ROTC) 1 courses emphasize citizenship and leadership development, as well as maritime heritage, sea power, and Naval operations and customs. These courses include (but are not limited to) an introduction to the Naval Junior ROTC program, U.S. Navy mission and organization, maritime geography, naval history, basic seamanship, oceanography, and health education.

Overflow: Physical Education > Electives

9532 JROTC/Navy 2

Naval Junior Reserve Officer Training Corps (ROTC) 2 courses build upon the content of Naval Junior ROTC 1. These courses include (but are not limited to) leadership principles and discipline, citizenship, naval opportunities and career planning, naval ships and weaponry, seamanship, meteorology and weather, and survival training. Students continue to learn teamwork, naval history, and military principles.

Overflow: Physical Education > Electives

9533 JROTC/Navy 3

Naval Junior Reserve Officer Training Corps (ROTC) 3 courses build upon prior Naval Junior ROTC courses. These courses include (but are not limited to) leadership principles and discipline, military justice, international law and the sea, naval intelligence/strategies and national security, and sciences involved in naval operations, such as electricity, electronics, communications technologies, and so on. Students continue to learn teamwork, naval history, and military principles.

Overflow: Physical Education > Electives

9534 JROTC/Navy 4

Naval Junior Reserve Officer Training Corps (ROTC) 4 courses are focused on practical leadership, placing students in positions where they can learn, practice, and understand skills involved in leading others, such as supervision, motivation, evaluation, setting examples, and problem-solving. Application of these skills usually includes military drill and inspections, athletic events, and other school activities. Topics introduced in earlier years may be studied at more advanced levels.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

9590 Color Guard 1

Color Guard courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions.

Overflow: Physical Education > Electives

Physical Education

9591 Color Guard 2

Color Guard courses provide students with an additional opportunity to improve their skills in military precision. These courses emphasize marching style and formations, firearm manipulation, body coordination and mechanics, and performing as a member of an orchestrated team. Class members typically participate in ceremonies and competitions.

Overflow: Physical Education > Electives

9871 IB Sprts, Exer & Hlth Sci - SL

The course in sports, exercise and health science involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyse human performance.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

9872 IB Sprts, Exer & Hth Sci - SL2

The course in sports, exercise and health science involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyse human performance.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

9873 IB Sprts, Exer & Hlth Sci - HL1

The course in sports, exercise and health science involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyse human performance.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

9874 IB Sprts, Exer & Hth Sci - HL2

The course in sports, exercise and health science involves the study of the science that underpins physical performance. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyse human performance.

Overflow: Physical Education > Math/Sci or AP/IB > Electives

Arts and Humanities

0510 Survey of Literature

Survey of Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.

Overflow: Arts and Humanities > Electives

0530 Poetry

Poetry courses aim to improve students' language arts and critical-thinking skills. Students determine the underlying assumptions and values within the selected works and also examine the structure, techniques, and intentions of poetry. Oral discussion is an integral part of this course, and written compositions are required.

Overflow: Arts and Humanities > Electives

0540 Survey of Writing

Survey of Writing courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

Overflow: Arts and Humanities > Electives

0550 Creative Writing

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

Overflow: Arts and Humanities > Electives

0555 Journalism

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography, photojournalism, and digital technology skills may be included.

Overflow: Arts and Humanities > Electives

Arts and Humanities

0580 Public Speaking

Public Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

Overflow: Arts and Humanities > Electives

0611 ELD 1 (Elective)

English Language Development (ELD) courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ELD courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ELD classes may also include an orientation to the customs and culture of the diverse population in the United States.

Overflow: Arts and Humanities > Electives

0612 Linguistic Development

Linguistic Development is an elective for newcomer high school students who either have limited and/or interrupted formal schooling or will benefit from a additional course to build on students' English social language and introduce students to academic English and content. Goals of the course include (1) building on students' "funds of knowledge" \square prior knowledge and experiences, (2) engaging students in meaningful language practices in the four language domains with appropriate scaffolds, (3) learning in context real-world (Tier 1 & 2) and academic vocabulary (Tier 2 & 3) and grammar, and (4) participating in purposefully planned oral language develop in conjunction with developing literacy skills.

Overflow: Arts and Humanities > Electives

0621 ELD 2 (Elective)

English Language Development (ELD) courses are designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ELD courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. ELD classes may also include an orientation to the customs and culture of the diverse population in the United States.

Overflow: Arts and Humanities > Electives

0650 Cross-Curricular Lang Devt

Cross Curricular Language Development is an elective course for secondary students who have been in an English as a Second Language (ESL) program for more than four years. The course is designed for students with ACCESS scores 2.5 -- 3.9 and who are not demonstrating consistent improvement in English language proficiency.

Overflow: Arts and Humanities > Electives

Arts and Humanities

0821 IB Lit and Performance - SL

The literature and performance course is an interdisciplinary synthesis of language A and theatre. It incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. At the heart of the course is this interaction between (i) a conventional literary emphasis on close reading, critical writing and discussion and (ii) the practical, aesthetic and symbolic elements of performance. A distinctive outcome of this synthesis is the performance of a piece transformed from poetry or prose. In this exciting, creative process text is viewed from different angles in a way that goes beyond what is characteristic of either literary or theatre studies as single disciplines. The course as whole examines literary and dramatic texts and seeks to develop intellect, imagination and creativity. It encourages intercultural awareness through a study of texts from more than one culture.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

0822 IB Lit and Performance - SL2

The literature and performance course is an interdisciplinary synthesis of language A and theatre. It incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. At the heart of the course is this interaction between (i) a conventional literary emphasis on close reading, critical writing and discussion and (ii) the practical, aesthetic and symbolic elements of performance. A distinctive outcome of this synthesis is the performance of a piece transformed from poetry or prose. In this exciting, creative process text is viewed from different angles in a way that goes beyond what is characteristic of either literary or theatre studies as single disciplines. The course as whole examines literary and dramatic texts and seeks to develop intellect, imagination and creativity. It encourages intercultural awareness through a study of texts from more than one culture.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1500 Contemporary Issues

Contemporary Issues courses study the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

Overflow: Arts and Humanities > Electives

1505 Geography

Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

Overflow: Arts and Humanities > Electives

1510 Civics

Civics courses examine the general structure and functions of U.S. systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve to the same degree of detail into constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government.

Overflow: Arts and Humanities > Electives

Arts and Humanities

1515 Economics

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

Overflow: Arts and Humanities > Electives

1520 International Cultures

International Cultures courses allow students to study various types of subgroups that have something in common such as religion, gender, or culture. Similar in style to World Area Studies, but focusing on a group of people rather than on a specific region, these courses examine a subgroup's history, politics, economics, and/or culture.

Overflow: Arts and Humanities > Electives

1525 American Studies

American Studies courses examine the history, politics, economics, society, and/or culture of one or more of the racial/ethnic groups in the United States. These courses may focus primarily on the history of an individual racial/ethnic group or may take a more comprehensive approach to studying the contemporary issues affecting racial/ethnic groups overall.

Overflow: Arts and Humanities > Electives

1530 Survey of Law

Survey of Law courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system.

Overflow: Arts and Humanities > Electives

1533 Teen Court

The Teen Court Program provides a service-learning forum that encourages youth to develop their leadership skills, to follow the rules of law and to hold their peers accountable for their anti-social behavior.

Overflow: Arts and Humanities > Electives

1550 Psychology

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Overflow: Arts and Humanities > Electives

1555 Sociology

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

Overflow: Arts and Humanities > Electives

Arts and Humanities

1560 **Philosophy**

Philosophy courses introduce students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.

Overflow: Arts and Humanities > Electives

1565 **Ethics**

Ethics courses seek to enable students to apply morality to their own lives, to the larger community, and to their decision-making processes. Course content may focus on such issues as peace and justice, death and dying, human sexuality, professional ethics, and human rights.

Overflow: Arts and Humanities > Electives

1801 **IB Soc and Cult Anthro - SL**

The social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1802 **IB Soc and Cult Anthro - SL2**

The social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1803 **IB Soc and Cult Anthro - HL1**

The social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

1804 IB Soc and Cult Anthro - HL2

The social and cultural anthropology course offers an opportunity for students to become acquainted with anthropological perspectives and ways of thinking, and to develop critical, reflexive knowledge. Social and cultural anthropology contributes a distinctive approach to intercultural awareness and understanding. Anthropology fosters the development of citizens who are globally aware and ethically sensitive. The social and cultural anthropology course for both SL and HL students is designed to introduce the principles, practices and materials of the discipline.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1806 IB Info in A Global Soc - SL

The information technology in a global society (ITGS) course is the study and evaluation of the impacts of IT on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1807 IB Info in A Global Soc - SL2

The information technology in a global society (ITGS) course is the study and evaluation of the impacts of IT on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1808 IB Info in A Global Soc - HL1

The information technology in a global society (ITGS) course is the study and evaluation of the impacts of IT on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1809 IB Info in A Global Soc - HL2

The information technology in a global society (ITGS) course is the study and evaluation of the impacts of IT on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

1830 AP European History

The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1831 IB World Religions - SL

The world religions course is a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in nine main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1832 IB World Religions - SL2

The world religions course is a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in nine main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1840 AP Human Geography

The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1841 IB Geography - SL

The geography course integrates both physical and human geography, and ensures that students acquire elements of both scientific and socio-economic methodologies. Geography takes advantage of its position between both these groups of subjects to examine relevant concepts and ideas from a wide variety of disciplines. This helps students develop an appreciation of, and a respect for, alternative approaches, viewpoints and ideas.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1842 IB Geography - SL2

The geography course integrates both physical and human geography, and ensures that students acquire elements of both scientific and socio-economic methodologies. Geography takes advantage of its position between both these groups of subjects to examine relevant concepts and ideas from a wide variety of disciplines. This helps students develop an appreciation of, and a respect for, alternative approaches, viewpoints and ideas.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

1843 IB Geography - HL1

The geography course integrates both physical and human geography, and ensures that students acquire elements of both scientific and socio-economic methodologies. Geography takes advantage of its position between both these groups of subjects to examine relevant concepts and ideas from a wide variety of disciplines. This helps students develop an appreciation of, and a respect for, alternative approaches, viewpoints and ideas.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1844 IB Geography - HL2

The geography course integrates both physical and human geography, and ensures that students acquire elements of both scientific and socio-economic methodologies. Geography takes advantage of its position between both these groups of subjects to examine relevant concepts and ideas from a wide variety of disciplines. This helps students develop an appreciation of, and a respect for, alternative approaches, viewpoints and ideas.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1850 AP Macroeconomics

The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1851 IB Economics - SL

The economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not studied in a vacuum" rather, they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1852 IB Economics - SL2

The economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not studied in a vacuum" rather, they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

1853 IB Economics - HL1

The economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not studied in a vacuum" rather, they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1854 IB Economics - HL2

The economics course emphasizes the economic theories of microeconomics, which deal with economic variables affecting individuals, firms and markets, and the economic theories of macroeconomics, which deal with economic variables affecting countries, governments and societies. These economic theories are not studied in a vacuum" rather, they are to be applied to real-world issues. Prominent among these issues are fluctuations in economic activity, international trade, economic development and environmental sustainability.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1855 AP Microeconomics

The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1860 AP Psychology

While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1861 IB Psychology - SL

The psychology course aims to develop an awareness of how research findings can be applied to better understand human behaviour and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behaviour and explore alternative explanations of behaviour. They also understand and use diverse methods of psychological inquiry.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

1862 IB Psychology - SL2

The psychology course aims to develop an awareness of how research findings can be applied to better understand human behaviour and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behaviour and explore alternative explanations of behaviour. They also understand and use diverse methods of psychological inquiry.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1863 IB Psychology - HL1

The psychology course aims to develop an awareness of how research findings can be applied to better understand human behaviour and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behaviour and explore alternative explanations of behaviour. They also understand and use diverse methods of psychological inquiry.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1864 IB Psychology - HL2

The psychology course aims to develop an awareness of how research findings can be applied to better understand human behaviour and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behaviour and explore alternative explanations of behaviour. They also understand and use diverse methods of psychological inquiry.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1871 IB Philosophy - SL

The philosophy course provides an opportunity for students to engage with some of the world's most interesting and influential thinkers. It also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. The emphasis of the philosophy course is on "doing philosophy"—that is, on actively engaging students in philosophical activity. The course is focused on stimulating students' intellectual curiosity and encouraging them to examine both their own perspectives and those of others.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1872 IB Philosophy - SL2

The philosophy course provides an opportunity for students to engage with some of the world's most interesting and influential thinkers. It also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. The emphasis of the philosophy course is on "doing philosophy"—that is, on actively engaging students in philosophical activity. The course is focused on stimulating students' intellectual curiosity and encouraging them to examine both their own perspectives and those of others.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

1873 IB Philosophy - HL1

The philosophy course provides an opportunity for students to engage with some of the world's most interesting and influential thinkers. It also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. The emphasis of the philosophy course is on "doing philosophy"—that is, on actively engaging students in philosophical activity. The course is focused on stimulating students' intellectual curiosity and encouraging them to examine both their own perspectives and those of others.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

1874 IB Philosophy - HL2

The philosophy course provides an opportunity for students to engage with some of the world's most interesting and influential thinkers. It also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. The emphasis of the philosophy course is on "doing philosophy"—that is, on actively engaging students in philosophical activity. The course is focused on stimulating students' intellectual curiosity and encouraging them to examine both their own perspectives and those of others.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8000 Introduction to Art

The purpose of this course is to offer a basic introduction into the world of art and art production through lessons on a fundamental level. Students are encouraged to learn basic drawing and painting techniques and methods to establish confidence when creating images on paper. Students will experiment with different art media and techniques that may include making prints, design projects, sculpture and posters. This course may only be offered to students prior to taking art 1.

Overflow: Arts and Humanities > Electives

8001 Art 1

This is an introductory course open to all students which explores all components of the general art education curriculum that may include drawing and painting, sculpture, ceramics and printmaking and crafts. Students will learn to use contour and modeling as well as color to create figures, objects, interiors and landscapes. Students will explore art history and the lives of artists influencing the aesthetics of specific periods in time.

Overflow: Arts and Humanities > Electives

8002 Art 2

Students will continue to study and experiment with different materials, media and techniques at a higher and more complex level. Students will use transparent and opaque paint, graphite, ink and charcoal. Instruction in painting includes understanding of design and composition and color theory. Activities in this course will include art historical references conducted in conjunction with hands-on studio art projects. This course may be offered to students who have successfully completed Art 1.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8003 Art 3 Honors

This course is for serious art students who desire additional training and supervised study of art making and art history. It is a continuation of Art 2 stressing the refinement of technique and further sophistication of form and content. Students are offered opportunity to prepare college entrance portfolios or to participate in future Advanced Placement Visual Arts courses and to explore personal goals in the visual arts. This course may be offered to students who have successfully completed Art 2.

Overflow: Arts and Humanities > Electives

8004 Art 4 Honors

This course is for the serious advanced art student who plans to major in art at the college level. It is an intensified studio course in art process, techniques and art history. Students experiment with advanced drawing and painting including design and composition, color theory, and its relationship to historical and contemporary art. This course encourages students to critique their art experiences both orally and in writing. Students learn to prepare their portfolios for college admission and complete senior projects. This course may be offered to students who have successfully completed Art 3 Advanced.

Overflow: Arts and Humanities > Electives

8010 Art History

This is a general art history survey course that spans the chronology of time. Students will study western and non-western art history from ancient to modern time. Students will learn about master works of art and artists from major art historical periods. Art History is a non- studio visual arts course.

Overflow: Arts and Humanities > Electives

8015 Cultural Trad in the Arts

Cultural Traditions in the Arts is an introduction to modern and ancient cultures through their art forms. Students will learn about different cultures by their use of technical skills, quality of art, artifacts, music, theater, dance and oral history. By studying both functional and decorative arts throughout history, students will be able to better understand the world even without the existence of a written language.

Overflow: Arts and Humanities > Electives

8020 Crafts

This is an introductory course in crafts that introduces ideas fundamental to 3-dimensional work and thought. Students may explore the use of found objects, natural materials, metal, papier-mâché, textiles using hand-manipulated processes such as weaving, felting and tie-dye. Ceramic techniques may be included to develop skills in making pottery. Students will be introduced to the design and fabrication of small-scale functional objects and jewelry using metal and wire and plastics.

Overflow: Arts and Humanities > Electives

8021 Ceramics 1

Ceramics is a course for students interested in working 3-dimensionally with clay. Students will learn manipulative techniques such as pinch, slab, coil, sculpture in the round and beginning centering and throwing methods on the potter's wheel. The course syllabus will also include learning about the firing of clay objects and firing cycles for bisque and glaze firing. Students will experiment with additive hand building and carving in various sculptural materials.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8022 Ceramics 2

Ceramics 2 stresses skill and technique refinement. Students will be introduced to throwing techniques on the potter's wheel and complete a centered pot, mold making and using molds as a means of mass production and create a unique ceramic piece using applied skills and problem solving techniques. Students will study the works of ceramic artists and create a ceramic piece replicating the style or genre of an individual artist or art period. This course is open to students who have successfully completed Ceramics 1.

Overflow: Arts and Humanities > Electives

8023 Ceramics 3 Honors

This course is for serious ceramics students who want to continue their studies in depth. Concentrated training in hand building and throwing techniques are stressed as well as experimentation on clay surfaces and application of glazes, stains, oxides and patinas. Students will further explore functional ware and sculptural ideas. Students will broaden their ceramic/art vocabulary in order to use correct terminology for discussions in aesthetics, critiques, to describe technical problems in their work and give presentations on the history of ceramics and ceramic artists.

Overflow: Arts and Humanities > Electives

8024 Advanced Hand Building

Advanced Hand Building is offered to students who intend to pursue art at the college level. Concentrated training in hand building is stressed as well as experimentation on clay surfaces, plaster and application of glazes, stains, oxides and patinas. Students will further explore functional ware and sculptural ideas and create large-scale ceramic pieces. Students will broaden their ceramic/art vocabulary in order to use correct terminology for discussions in aesthetics, critiques, to describe technical problems in their work, research and give presentations on the history of ceramics and ceramic artists.

Overflow: Arts and Humanities > Electives

8031 Photographic Media

This course is designed for students who want to become more knowledgeable using digital cameras as well as landscape, portrait, night, macro and action photography. Students will learn how to manipulate their images by controlling camera settings and composition using the camera and through the use of i photo and Adobe Creative Design Suite programs on the computer. Through practical photographic activities and photographic history students will strengthen their photographic skills and experience.

Overflow: Arts and Humanities > Electives

8032 Photographic Media 2

Photographic Media 2 stresses skill and technique refinement. Students will continue to work in depth with camera settings and the use of i photo and Adobe Creative Design Suite programs. Additional skills and studies such as lighting techniques, photojournalism, sports photography, animals, people and close-up/macro photography will be explored. Photographic history and the work of renowned photographers will be researched and included as part of this course. This course is open to students who have successfully completed Photographic Media 1 or by portfolio.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8033 Photographic Media 3 Honors

Photographic Media 3 is a mastery level course offered to students who intend to pursue art at the college level. Students will continue to refine their photography skills, camera skills and use of i photo and Adobe Creative Design Suite programs. This course will stress creativity and independent study under the teacher's guidance to encourage the student to develop confidence to discover his/her own style. This course is open to students who have successfully completed Photographic Media 2.

Overflow: Arts and Humanities > Electives

8035 Introduction to Film History

Students will be introduced to film as an artistic media from its inception to the present day. This course explores film genre, critique, development of film production and technology, story line elements such as plot, characterization, conflict, drama, comedy, tragedy and documentary and writing.

Overflow: Arts and Humanities > Electives

8036 Introduction to Film

This is a hands on course designed for students to study the art of filmmaking. Students will be introduced to story boarding, filming, editing, sound, lighting, costuming, make-up, special effects, blocking and movement. Students will use the Adobe Creative Suite programs to produce their films. Prior software and computer experience is recommended.

Overflow: Arts and Humanities > Electives

8041 Sculpture 1

This course explores all aspects of the sculptural process. Students will learn the principles, practices and techniques of 3-dimensional forms using a wide variety of sculptural materials both traditional and experimental. Student will create sculpture using paper and cardboard and advance to clay, plaster, metal wood, wire and found objects.

Overflow: Arts and Humanities > Electives

8042 Sculpture 2

Students will develop more advanced skills in 3-dimensional perception, composition and structure in the creation of sculpture. Students will develop an individual direction through intensive studio work and research. Progress is reviewed through individual and group critiques. This course is open to students who have successfully completed Sculpture 1.

Overflow: Arts and Humanities > Electives

8043 Sculptural Media Honors

Advanced Sculptural media is offered to students who intend to pursue art at the college level. Students explore 3- dimensional solutions at a high level using a variety of sculptural media such as clay, plaster, papier-mache, found objects, glass and metalsto create large scale sculptural pieces.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8050 Introduction to Visual Arts

Visual Arts is designed to provide students with the opportunity to develop aesthetically using their imagination and creativity. The purpose of the course is to stimulate and train visual awareness and perception and to learn how to critique works of art. Students are encouraged to discover, develop and appreciate the arts of various cultures and to gain skills through training and experimentation using a variety of art media such as drawing, painting, printmaking, ceramics and sculpture.

Overflow: Arts and Humanities > Electives

8051 Visual Arts 1

This course is designed for beginning student art majors. This course introduces a variety of techniques and 2-dimensional and 3-dimensional media such as drawing, painting, printmaking, ceramics and sculpture. Students will learn about art history through writing and researching the work of a variety of artists and art genres.

Overflow: Arts and Humanities > Electives

8052 Visual Arts 2

Students will continue to develop their visual art skills by exploring 2-dimensional and 3-dimensional media and techniques such as drawing, painting, printmaking, ceramics and sculpture at a more advanced level. This course is open to students who have successfully completed Visual Arts 1.

Overflow: Arts and Humanities > Electives

8053 Visual Arts 3 Honors

This course is open to students who have successfully completed Visual Arts 2 and is a mastery level course offered to students who intend to pursue art at the college level. High caliber work and portfolio preparation is expected and stressed. Students will work independently to create self-conceived and self-generated projects.

Overflow: Arts and Humanities > Electives

8061 Graphic Design 1

Graphic Design 1 will use design software and/or by hand create visual images. Students will learn basic drawing, painting, photography and typography techniques to create visual images generated by computer using the Adobe Creative Suite and or by hand. Students need to have basic computer and art skills to take this course.

Overflow: Arts and Humanities > Electives

8062 Graphic Design 2

Students will continue to develop their graphic design skills by exploring more advanced level. Drawing, painting, photography and typography techniques used to create visual images generated by computer using the Adobe Creative Suite and or by hand will be taught in greater detail. This course is open to students who have successfully completed Graphic Design 1.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8063 Graphic Design 3 Honors

This course is for serious Graphic Design students who want to continue their studies in depth. Students will concentrate in developing higher level skills by creating visual images generated by computer using the Adobe Creative Suite and or by hand will be taught in greater detail. This course is open to students who have successfully completed Graphic Design 2.

Overflow: Arts and Humanities > Electives

8064 Graphic Design 4 Honors

Graphic Design 4 is a mastery level course offered to students who intend to pursue art at the college level.
High caliber work and portfolio preparation is expected and stressed. Students will work independently to create self-conceived and self-generated projects.

Overflow: Arts and Humanities > Electives

8070 Introduction to Design

These sequential classes explore two and three-dimensional design in today's world. Illustration, graphic design, architecture and industrial design projects provide opportunities to work with a variety of materials and techniques. Observational drawing and painting practices provide the foundation for these classes. The curriculum focuses on: observational art, drawing and painting, creative visual problem solving, conceptual thinking, skill and knowledge development and style and portfolio development. The students learn about various design forms, applications and techniques. Basic disciplines are introduced and creative design strategies are developed. These classes emphasize illustration and design as well as observational drawing and painting. Sketchbook / journals are required.

Overflow: Arts and Humanities > Electives

8071 Advanced Design

Students will continue to develop and reinforce the skills learned in Introduction to Design Communication while expanding the student's knowledge base through more sophisticated and challenging projects.

Overflow: Arts and Humanities > Electives

8072 Des & Aesthetics of Hum Hab

Design and Aesthetics of Human Habitats is designed for high level college bound students interested in a career in architecture. Students are expected to have an outstanding academic foundation for this interdisciplinary subject as well as art skills focusing on two-dimensional and three-dimensional design. This course will explore the principles of visual perception and the understanding of volume and form. Through rigorous studio activities that involve structured investigation, self-reflection, critique, historical context, aesthetics and multiculturalism, as well as studio production the student will develop a body of work.

Overflow: Arts and Humanities > Electives

8099 Experiential Arts

This course is offered to Life Skills Support, Autistic Support and students with Special Needs in contained classes. Students explore all components of the general art education curriculum that may include drawing and painting, sculpture, ceramics and printmaking and crafts. Classes are designed to adjust to meet student's individual IEP's as well as to address sensory/ tactile/visual functions and hand-over-hand assistance. Students will explore art history, the lives of artists and their artwork.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8100 Introduction to Band

Students participate in instrumental (woodwinds, brass, percussion) music through performances in concert band, marching band, jazz band, and other small and large ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Symphonic Band held in the spring.

Overflow: Arts and Humanities > Electives

8101 Band 1

Students participate in instrumental (woodwinds, brass, percussion) music through performances in concert band, marching band, jazz band, and other small and large ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Symphonic Band held in the spring.

Overflow: Arts and Humanities > Electives

8102 Band 2

Students participate in instrumental (woodwinds, brass, percussion) music through performances in concert band, marching band, jazz band, and other small and large ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Symphonic Band held in the spring.

Overflow: Arts and Humanities > Electives

8103 Band 3 Honors

Students participate in instrumental (woodwinds, brass, percussion) music through performances in concert band, marching band, jazz band, and other small and large ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Symphonic Band held in the spring.

Overflow: Arts and Humanities > Electives

8104 Band 4 Honors

Students participate in instrumental (woodwinds, brass, percussion) music through performances in concert band, marching band, jazz band, and other small and large ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Symphonic Band held in the spring.

Overflow: Arts and Humanities > Electives

8106 Modern Band

Students participate in instrumental (woodwinds, brass, percussion) music through performances in concert band, marching band, jazz band, and other small and large ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Symphonic Band held in the spring.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8110 Instrumental Music

Students participate in instrumental (strings, woodwinds, brass, percussion) music through individual, small and large ensemble performances. Students develop proficiency at all levels in music reading, theory, and history. The performers experience a variety of musical styles and periods of music.

Overflow: Arts and Humanities > Electives

8111 Guitar 1

Students engage in basics of playing the guitar in a class setting. Skills include technique, reading standard music notation, intro to chords and solo pieces, and popular songs. Genres range from folk, to classic rock, to modern or contemporary popular music.

Overflow: Arts and Humanities > Electives

8112 Guitar 2

Students engage in basics of playing the guitar in a class setting. Skills include technique, reading standard music notation, intro to chords and solo pieces, and popular songs. Genres range from folk, to classic rock, to modern or contemporary popular music.

Overflow: Arts and Humanities > Electives

8113 Percussion

Percussion Ensemble provides an opportunity for developing and advanced percussion students to participate in a performance ensemble. Concepts studied include rhythm, texture, balance, blend, and rudiments of various percussion instruments.

Overflow: Arts and Humanities > Electives

8115 Jazz Ensemble

Students participate in instrumental music through performance in jazz band. The performers experience a variety of musical styles and periods of jazz music. Students work to improve their understanding of various styles of jazz as well as developing into creative improvisers of jazz. Selected high school jazz ensembles participate in the Annual Jazz Fest held in the spring.

Overflow: Arts and Humanities > Electives

8116 Marching Band

Marching Band will include: march music and marching fundamentals; music vocabulary, scales, arpeggios, intervals, and rhythms; marching band participation as scheduled; playing for athletic events. This is a course for the musician with less experience and proficiency. Individualized help for each student is a part of the course. Playing fundamentals is stressed.

Overflow: Arts and Humanities > Electives

8121 Piano 1

This program develops the skills at all levels of piano proficiency. The aim is to build a basic foundation in piano performance as well as in overall musicianship: technique, disciplined practice habits, and musical awareness.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8122 Piano 2

This program develops the skills at all levels of piano proficiency. The aim is to build a basic foundation in piano performance as well as in overall musicianship: technique, disciplined practice habits, and musical awareness.

Overflow: Arts and Humanities > Electives

8123 Strings

Emphasis is placed on development of sight-reading skills, rhythmic accuracy, group listening skills for large and small ensembles. Students are coached through intensified reading, study, rehearsal and performance of chamber music with emphasis on the string quartet. Literature embraces various periods and styles in music as well as pieces with keyboard, wind instruments or voice.

Overflow: Arts and Humanities > Electives

8131 Orchestra 1

Students participate in instrumental (woodwinds, brass, percussion, and strings) music through performances in string ensembles, orchestra, and other chamber ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Orchestra held in the spring.

Overflow: Arts and Humanities > Electives

8132 Orchestra 2

Students participate in instrumental (woodwinds, brass, percussion, and strings) music through performances in string ensembles, orchestra, and other chamber ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Orchestra held in the spring.

Overflow: Arts and Humanities > Electives

8133 Orchestra 3 Honors

Students participate in instrumental (woodwinds, brass, percussion, and strings) music through performances in string ensembles, orchestra, and other chamber ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Orchestra held in the spring.

Overflow: Arts and Humanities > Electives

8134 Orchestra 4 Honors

Students participate in instrumental (woodwinds, brass, percussion, and strings) music through performances in string ensembles, orchestra, and other chamber ensembles. The performers experience a variety of musical styles and periods of music. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Orchestra held in the spring.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8190 Class Instrumental Music

Students participate in instrumental (strings, woodwinds, brass, percussion) music through individual, small and large ensemble performances provided by Itinerant Class Instrumental Music Teachers. Students develop proficiency at all levels in music reading, theory, and history. The performers experience a variety of musical styles and periods of music.

Overflow: Arts and Humanities > Electives

8201 Dance 1

This is an overview course in dance. In this course students will review the elements of dance and build awareness of personal movement preferences when exploring the element/sub-elements of dance and work to broaden those affinities. Students will develop and demonstrate competence and a sense of personal discipline in rehearsal and performance processes. Students will define the relationship between form and meaning in various cultural dances and consider how these change when performed for an audience. Through both the Ballet and Jazz idioms, students learn total body awareness and the joy of dancing.

Overflow: Arts and Humanities > Electives

8202 Dance 2

This course builds upon Dance 1. Students will learn to accurately describe all aspects of a dance performance (e.g., dance elements, choreography, performance, staging, technical theatre, costume, sound). Students will identify personal movement preferences and demonstrate an increased range of personal movement vocabulary used in choreography. Students will use the elements/sub-elements of dance to make literal or pedestrian movements either abstract or non-literal and create a movement phrase from that product. Students will review, revise, and refine an original work that addresses internal phrasing and the overall phrasing of the work. Through jazz warm-ups with Ballet, Modern and Afro-Caribbean styles of dance are integrated into the course content.

Overflow: Arts and Humanities > Electives

8203 Dance 3 Honors

This course builds upon Dance 2. In this course, students will accurately and expressively perform a variety of complex movement sequences with an ensemble to demonstrate alignment, articulation, strength, flexibility, agility, and coordination. Students will explore freely and confidently all areas of the elements of dance in improvisational settings with a clear desire to continue to increase range, personal movement choices, possibilities, and discoveries. Students will demonstrate adaptability in participating in more than one dance technique style. Students should fully describe all aspects of a renowned social, ritual and theatrical dance and cite one or more exemplary works. The single, double, triple and quadruple sounds of tap are explored via exercises and dance combinations.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8204 Dance 4 Honors

This course builds upon Dance 3. In this course, students will create a dance and revise it over time. Students will articulate the reasons for their artistic decisions and discuss and develop criteria for evaluating their own work and that of others. Students will also compare elements and principles of choreography with elements and principles of other art forms. Dance in American music theatre and music video will be explored as our cultural contribution to the global dance consciousness. In so doing, students will articulate the importance of considering the elements/sub-elements of dance when creating or observing choreography. Students will analyze a dance on the basis of form, meaning, and quality using appropriate dance vocabulary.

Overflow: Arts and Humanities > Electives

8211 Ballet 1

Students will learn the historic evolution of Ballet as a dance art and identify the ways in which Europe's culture influenced its development and the work of specific dance artists (e.g., dancers, choreographers, producers). Students will explore the development of American Ballet. Students will use Ballet and learn total body awareness. Students will take class in classical form and will accurately and expressively perform a variety of complex movement sequences with an ensemble to demonstrate alignment, articulation, strength, flexibility, agility, and coordination. Students will explore freely and confidently all areas of the elements of Ballet in improvisational settings with a clear desire to continue to increase range, personal movement choices, possibilities, and discoveries.

Overflow: Arts and Humanities > Electives

8212 Ballet 2

Students will continue to develop and reinforce the skills learned in Ballet 1 while expanding the student's knowledge base through more sophisticated and challenging movements and personal expression.

Overflow: Arts and Humanities > Electives

8220 Dance Technique and Comp

This course is designed to further enhance the training and interest of those students who have previous dance experience and professional aspirations. Various concert dance genres including modern, ballet and jazz will be studied. The intermediate class will stress creativity, personal expression, technique, dance composition and performance skills. The curriculum includes performances of both student and faculty choreography. This course may only be taken by audition or with the permission of the instructor.

Overflow: Arts and Humanities > Electives

8230 Modern Dance

This course is based the dance style opposed to formalism and rigidity that arose in the early 20th century in the United States and Europe. Modern dance encompasses many forms and movements from the balletic to the experimental and is constantly evolving. Thorough warm-up exercises, strength, coordination and flexibility training students will learn how to create combined movement as self-expression.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8300 Introduction to Choir

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8301 Choir 1

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8302 Choir 2

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8303 Choir 3 Honors

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8304 Choir 4 Honors

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8306 Mixed Choir

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8307 Concert Choir

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8308 Chamber Choir

Students participate in choral singing: large and small ensembles, voice training and development, sight-reading and ear training, harmony, music theory, and composition. Choral singing provides the opportunities for students to study music of diverse genres and cultures as well as different periods of music history. Outstanding students are given the opportunity to participate in the Annual All Philadelphia High School Choir held in the spring.

Overflow: Arts and Humanities > Electives

8311 Vocal 1

Voice study provides students instruction compatible with the goals and abilities in classical vocal technique. Each student is auditioned to determine his/her appropriate vocal part and level of instruction. Students achieve technical skills through exercises, vocalizes, through the study of classical vocal repertoire. Choral ensembles are mandatory.

Overflow: Arts and Humanities > Electives

8312 Vocal 2

Voice study provides students instruction compatible with the goals and abilities in classical vocal technique. Each student is auditioned to determine his/her appropriate vocal part and level of instruction. Students achieve technical skills through exercises, vocalizes, through the study of classical vocal repertoire. Choral ensembles are mandatory.

Overflow: Arts and Humanities > Electives

8313 Vocal 3 Honors

Voice study provides students instruction compatible with the goals and abilities in classical vocal technique. Each student is auditioned to determine his/her appropriate vocal part and level of instruction. Students achieve technical skills through exercises, vocalizes, through the study of classical vocal repertoire. Choral ensembles are mandatory.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8314 Vocal 4 Honors

Voice study provides students instruction compatible with the goals and abilities in classical vocal technique. Each student is auditioned to determine his/her appropriate vocal part and level of instruction. Students achieve technical skills through exercises, vocalizes, through the study of classical vocal repertoire. Choral ensembles are mandatory.

Overflow: Arts and Humanities > Electives

8321 Solfeggio 1

In the Solfeggio courses, students develop aural skills, including sight singing of standard music scores with solfeggio, and dictation of harmonic, melodic, and rhythmic materials. Through listening and score reading, students develop the ability to; sing at sight melodies of intermediate difficulty, with solfeggio; sing simple intervals, sing major and minor scales with solfeggio; and aurally identify and notate simple intervals.

Overflow: Arts and Humanities > Electives

8322 Solfeggio 2

In the Solfeggio courses, students develop aural skills, including sight singing of standard music scores with solfeggio, and dictation of harmonic, melodic, and rhythmic materials. Through listening and score reading, students develop the ability to; sing at sight melodies of intermediate difficulty, with solfeggio; sing simple intervals, sing major and minor scales with solfeggio; and aurally identify and notate simple intervals.

Overflow: Arts and Humanities > Electives

8400 Drama

This course is an overview of the art of drama. Students will study the history of drama as an art form involving the physical embodiment of a story, learn about improvisation, relaxation and concentration techniques, script analysis, perform monologs and roles in short scenes and plays. The drama course may review the various techniques used in film or television production as well as live theater. Students should understand the role of the director, and role of research for the actor as a physical artist. Students will learn how to create a role(s) by knowing the background of the playwright, the time frame of the theater piece, and the particulars of each role in order to succeed in this art form. This course can integrate with a literature program as an active process.

Overflow: Arts and Humanities > Electives

8401 Theatre 1

The theater 1 course will offer students an introduction to the art of the theater. Students will review theater history and the roles of individuals in the theater: playwright, director, actor, set designer, prop director, lighting director, costume director, and makeup artist. This course will highlight the methods of engaging and researching a role. Students will learn various techniques for relaxation and concentration and character development and see the actor as a physical artist who creates realities within a given space. Students will be introduced to script analysis as the student performs monologs, and takes roles in short scenes and plays.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8402 Theatre 2

The theater 2 course will stress advanced skills development in this art form. Students will come to understand the roles and importance of the entire production staff and the roles they play in creating a theater production. Students will understand that art of acting is a conversation between the mind (memorizing text), body (engaging physical space), soul (voice), and audience. Students will explore the international nature of drama and come to see drama as one aspect of cultural voice. Students should participate in the production of a play during this course. This course is open to students who have successfully completed Theater 1.

Overflow: Arts and Humanities > Electives

8403 Theatre 3 Honors

The Theater 3 course is designed for the serious student who has an interest in pursuing theater and furthering their skills. Students will come to understand the contributions of Stanislavski and Strasberg and the concept of Method Acting. They will explore and understand other methods of engaging and developing characters by exploring the contributions of Bertolt Brecht and his Brechtian method and the theories of Jerzy Grotowski and Viola Spolin. Students will work on auditioning skills and should participate in the production of a play during this course. This course is open to students who have successfully completed Theater 2.

Overflow: Arts and Humanities > Electives

8404 Theatre 4 Honors

Theater 4 is a mastery level course offered to students who intend to pursue the performing arts at the college level and or professionally. High caliber preparation and performance is expected and stressed. Students will work independently to create self-conceived, self-generated projects, monologs as well as performing with other students in the troupe and know the roles of individuals in the theater: playwright, director, actor, set designer, prop director, lighting director, sound director, costume director, and makeup artist. Students will prepare for college and or professional auditions as part of this theater experience.

Overflow: Arts and Humanities > Electives

8410 Playwriting

Drama / Playwriting is an introduction to art of writing for the stage or screen. Students will create a complete unified story, comic or dramatic, with a beginning, middle and end that expresses the writer's vision of life, conflict and resolution, constructed of plausible and probable events to be portrayed by actors and believed by an audience. Script format and guidelines will be presented for use in the writing process.

Overflow: Arts and Humanities > Electives

8420 Creating Theatre

This course is an overall introduction to the theater from curtain to curtain. Students will be introduced to the history of theater, elements of drama, playwriting, acting, directing, set and property design and construction, technical theater including lighting, sound and stage management.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8425 Musical Theatre

Musical Theater courses provide students with the opportunity to explore and/or participate in various aspects of musical theater, including auditioning, singing, acting, and dancing. These courses review the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work.

Overflow: Arts and Humanities > Electives

8431 Theatre Movement 1

Theater Movement 1 combines dance with stage movement and blocking. Students will become familiar with stage layout and how to effectively move in all nine areas of the stage as both a dancer and as an actor. This course teaches movement techniques for actors and dancers to create stage presence and give more effective performances.

Overflow: Arts and Humanities > Electives

8432 Theatre Movement 2

Students will continue to develop more refined movement skills and become more confident in their abilities as performance artists. Basic choreography may be included. This course is open to students who have successfully completed Theater Movement 1.

Overflow: Arts and Humanities > Electives

8500 Introduction to Music

Students participate in an introduction to fundamental concepts of music including instruments, notation, theory, and history. The students experience a variety of musical styles and periods and engage in discussions of topics related to music in everyday life and careers in the music industry.

Overflow: Arts and Humanities > Electives

8505 World Music

This course explores global music - the comparative study of music of different cultures. The curriculum incorporates traditions and musical styles of India, West Africa, Middle East, Classic Latino, and Asia, among others.

Overflow: Arts and Humanities > Electives

8510 Music History

This course is designed to help students gain exposure to, and an appreciation for a variety of styles of music. Students will trace the development of music from the Middle Ages through the present day, while learning the vocabulary and concepts that enable them to express their own ideas regarding the music.

Overflow: Arts and Humanities > Electives

8521 Music Technology 1

The purpose of this course is to provide an introduction to computers and other electronic media and their uses in music programs. This course will emphasize hands-on experiences in the use of computer hardware, computer software, and electronic technology. Appropriate uses of this technology in the music classroom will be explored. Computer basics will be widely covered in this class. However, they will be addressed within the context of learning music and general applications.

Overflow: Arts and Humanities > Electives

Arts and Humanities

8522 Music Tech 2 Honors

The purpose of this course is to provide an introduction to computers and other electronic media and their uses in music programs. This course will emphasize hands-on experiences in the use of computer hardware, computer software, and electronic technology. Appropriate uses of this technology in the music classroom will be explored. Computer basics will be widely covered in this class. However, they will be addressed within the context of learning music and general applications.

Overflow: Arts and Humanities > Electives

8531 Music Theory 1

Music Theory and Practice is designed for students who are interested in further exploration of music principles. The purpose of this course is to acquaint students with the basic design of music; how to build chords, music composition, etc., all within a historical context.

Overflow: Arts and Humanities > Electives

8532 Music Theory 2

Music Theory and Practice is designed for students who are interested in further exploration of music principles. The purpose of this course is to acquaint students with the basic design of music; how to build chords, music composition, etc., all within a historical context.

Overflow: Arts and Humanities > Electives

8599 Experiential Music

This course is offered to Life Skills Support, Autistic Support and students with Special Needs in contained classes. Students explore all components of the general music education curriculum that may include instruments, notation, theory, and history. Classes are designed to adjust to meet student's individual IEP's as well as to address sensory/ tactile/visual functions and hand-over-hand assistance. The students experience a variety of musical styles and explore topics related to music in everyday life.

Overflow: Arts and Humanities > Electives

8800 AP Art History

By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8801 IB Visual Arts - SL

The visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

8802 IB Visual Arts - SL2

The visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8803 IB Visual Arts - HL1

The visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8804 IB Visual Arts - HL2

The visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8805 AP Studio Art: 2-D Design

This course designed for students who are seriously interested in the practical experience of 2-D Design. Students submit a portfolio for evaluation at the end of the school year to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions in 2-D design.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8806 AP Studio Art: 3-D Design

This course designed for students who are seriously interested in the practical experience of 3-D Design. Students submit a portfolio for evaluation at the end of the school year to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions in 3-D design.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

8807 AP Studio Art: Drawing

This course designed for students who are seriously interested in the practical experience of Drawing. Students submit a portfolio for evaluation at the end of the school year to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions in Drawing.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8811 IB Film - SL

The film course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8812 IB Film - SL2

The film course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8813 IB Film - HL1

The film course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8814 IB Film - HL2

The film course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

8821 IB Dance - SL

The dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures"past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8822 IB Dance - SL2

The dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures"past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8823 IB Dance - HL1

The dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures"past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8824 IB Dance - HL2

The dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures"past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8841 IB Theatre - SL

Theatre is a practical subject that encourages discovery through experimentation, risk-taking and the presentation of ideas. The theatre course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

8842 IB Theatre - SL2

Theatre is a practical subject that encourages discovery through experimentation, risk-taking and the presentation of ideas. The theatre course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8843 IB Theatre - HL1

Theatre is a practical subject that encourages discovery through experimentation, risk-taking and the presentation of ideas. The theatre course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8844 IB Theatre - HL2

Theatre is a practical subject that encourages discovery through experimentation, risk-taking and the presentation of ideas. The theatre course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8850 AP Music Theory

Musicianship skills, including dictation and other listening skills, sight singing, and harmony, are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the curriculum through the practice of sight singing. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are also emphasized.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8851 IB Music - SL

The music course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. Through the course of study, students become aware of how musicians work and communicate.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Arts and Humanities

8852 IB Music - SL2

The music course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. Through the course of study, students become aware of how musicians work and communicate.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8853 IB Music - HL1

The music course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. Through the course of study, students become aware of how musicians work and communicate.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

8854 IB Music - HL2

The music course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. Music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. Through the course of study, students become aware of how musicians work and communicate.

Overflow: Arts and Humanities > Math/Sci or AP/IB > Electives

Career Tech Education

6001 Food Processing Sciences 1

An instructional program having a combination of subject matter and learning experiences designed to prepare individuals to receive, process, and store food and non-food products and to inspect those products preparatory to marketing. This program includes instruction in processes, scientific principles and management decisions concerned with agricultural production of agriculture-related processing and storage techniques. The groups of food products include: (1) meat, fish, poultry and eggs; (2) dairy products; (3) fruits and vegetables; (4) cereal grains; and (5) other foods and beverages. The non-food products include cotton, tobacco and wool. Instruction may be provided in any or all groups of these products.

Overflow: Career Tech Education > Electives

Career Tech Education

6002 Food Processing Sciences 2

An instructional program having a combination of subject matter and learning experiences designed to prepare individuals to receive, process, and store food and non-food products and to inspect those products preparatory to marketing. This program includes instruction in processes, scientific principles and management decisions concerned with agricultural production of agriculture-related processing and storage techniques. The groups of food products include: (1) meat, fish, poultry and eggs; (2) dairy products; (3) fruits and vegetables; (4) cereal grains; and (5) other foods and beverages. The non-food products include cotton, tobacco and wool. Instruction may be provided in any or all groups of these products.

Overflow: Career Tech Education > Electives

6003 Food Processing Sciences 3

An instructional program having a combination of subject matter and learning experiences designed to prepare individuals to receive, process, and store food and non-food products and to inspect those products preparatory to marketing. This program includes instruction in processes, scientific principles and management decisions concerned with agricultural production of agriculture-related processing and storage techniques. The groups of food products include: (1) meat, fish, poultry and eggs; (2) dairy products; (3) fruits and vegetables; (4) cereal grains; and (5) other foods and beverages. The non-food products include cotton, tobacco and wool. Instruction may be provided in any or all groups of these products.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6011 Horticulture 1

An instructional program having a combination of organized subject matter and practical experiences that generally prepares individuals to produce, process and market plants, shrubs and trees used principally for ornamental, recreational and aesthetic purposes and to establish, maintain and manage horticultural enterprises. Instruction emphasizes knowledge, understanding and application important to establishing, maintaining and managing horticultural enterprises such as arboriculture, floriculture, greenhouse operation and management, landscaping, nursery operation and management and turf management.

Overflow: Career Tech Education > Electives

6012 Horticulture 2

An instructional program having a combination of organized subject matter and practical experiences that generally prepares individuals to produce, process and market plants, shrubs and trees used principally for ornamental, recreational and aesthetic purposes and to establish, maintain and manage horticultural enterprises. Instruction emphasizes knowledge, understanding and application important to establishing, maintaining and managing horticultural enterprises such as arboriculture, floriculture, greenhouse operation and management, landscaping, nursery operation and management and turf management.

Overflow: Career Tech Education > Electives

Career Tech Education

6013 Horticulture 3

An instructional program having a combination of organized subject matter and practical experiences that generally prepares individuals to produce, process and market plants, shrubs and trees used principally for ornamental, recreational and aesthetic purposes and to establish, maintain and manage horticultural enterprises. Instruction emphasizes knowledge, understanding and application important to establishing, maintaining and managing horticultural enterprises such as arboriculture, floriculture, greenhouse operation and management, landscaping, nursery operation and management and turf management.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6021 Animal Sciences 1

A general program that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and instruction in the animal sciences, animal husbandry, health, production, and agricultural and food products. Instruction will also include a laboratory experience in and/or out of school including supervised agricultural experience (SAE). Approved academic courses taught by certificated academic teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Career Tech Education > Electives

6022 Animal Sciences 2

A general program that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and instruction in the animal sciences, animal husbandry, health, production, and agricultural and food products. Instruction will also include a laboratory experience in and/or out of school including supervised agricultural experience (SAE). Approved academic courses taught by certificated academic teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Career Tech Education > Electives

6023 Animal Sciences 3

A general program that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and instruction in the animal sciences, animal husbandry, health, production, and agricultural and food products. Instruction will also include a laboratory experience in and/or out of school including supervised agricultural experience (SAE). Approved academic courses taught by certificated academic teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6031 Natural Resources Management 1

An instructional program having a combination of subject matter and planned learning experiences concerned with the principles and processes involved in the conservation, protection and/or improvement of natural resources found in the environment such as air, forests, soil, water, fish, plants and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management and operation of forest lands for recreational purposes.

Overflow: Career Tech Education > Electives

Career Tech Education

6032 Natural Resources Management 2

An instructional program having a combination of subject matter and planned learning experiences concerned with the principles and processes involved in the conservation, protection and/or improvement of natural resources found in the environment such as air, forests, soil, water, fish, plants and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management and operation of forest lands for recreational purposes.

Overflow: Career Tech Education > Electives

6033 Natural Resources Management 3

An instructional program having a combination of subject matter and planned learning experiences concerned with the principles and processes involved in the conservation, protection and/or improvement of natural resources found in the environment such as air, forests, soil, water, fish, plants and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management and operation of forest lands for recreational purposes.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6041 Biotechnology 1

An instructional program that focuses on the application of the biological sciences, biochemistry and genetics in preparation of new and enhanced agricultural, environmental, clinical and industrial products including the commercial exploitation of microbes, plants and animals. This program may include instruction in bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, xenotransplantation, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production process, patent law and biotechnology management and marketing, applicable regulations and biotechnology ethics.

Overflow: Career Tech Education > Electives

6042 Biotechnology 2

An instructional program that focuses on the application of the biological sciences, biochemistry and genetics in preparation of new and enhanced agricultural, environmental, clinical and industrial products including the commercial exploitation of microbes, plants and animals. This program may include instruction in bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, xenotransplantation, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production process, patent law and biotechnology management and marketing, applicable regulations and biotechnology ethics.

Overflow: Career Tech Education > Electives

6043 Biotechnology 3

An instructional program that focuses on the application of the biological sciences, biochemistry and genetics in preparation of new and enhanced agricultural, environmental, clinical and industrial products including the commercial exploitation of microbes, plants and animals. This program may include instruction in bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, xenotransplantation, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production process, patent law and biotechnology management and marketing, applicable regulations and biotechnology ethics.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6101 Baking and Pastry Arts 1

Specialized classroom and practical work experiences associated with the preparation of breads, crackers, cakes, pies, pastries and other bakery products for retail distribution, for consumption in a commercial food service establishment or for special functions. Instruction includes making, freezing and handling of bake products; decorating; counter display; and packaging of merchandise. This is a comprehensive program to prepare individuals for employment in a variety of occupations in the Baking industry.

Overflow: Career Tech Education > Electives

6102 Baking and Pastry Arts 2

Specialized classroom and practical work experiences associated with the preparation of breads, crackers, cakes, pies, pastries and other bakery products for retail distribution, for consumption in a commercial food service establishment or for special functions. Instruction includes making, freezing and handling of bake products; decorating; counter display; and packaging of merchandise. This is a comprehensive program to prepare individuals for employment in a variety of occupations in the Baking industry.

Overflow: Career Tech Education > Electives

6103 Baking and Pastry Arts 3

Specialized classroom and practical work experiences associated with the preparation of breads, crackers, cakes, pies, pastries and other bakery products for retail distribution, for consumption in a commercial food service establishment or for special functions. Instruction includes making, freezing and handling of bake products; decorating; counter display; and packaging of merchandise. This is a comprehensive program to prepare individuals for employment in a variety of occupations in the Baking industry.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6111 Culinary Arts 1

An instructional program that prepares students for employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

Overflow: Career Tech Education > Electives

6112 Culinary Arts 2

An instructional program that prepares students for employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

Overflow: Career Tech Education > Electives

Career Tech Education

6113 Culinary Arts 3

An instructional program that prepares students for employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6141 Early Childhood Education 1

An instructional program that prepares individuals for a variety of occupations in child care and guidance often under the supervision of professional personnel in child or day care centers. This program includes instruction in growth and development; nutrition; program planning and management; safety; behavior guidance; play activities; child abuse and neglect; parent-child personal relationships; learning experiences for children; and laws, regulations and policies relating to child care services.

Overflow: Career Tech Education > Electives

6142 Early Childhood Education 2

An instructional program that prepares individuals for a variety of occupations in child care and guidance often under the supervision of professional personnel in child or day care centers. This program includes instruction in growth and development; nutrition; program planning and management; safety; behavior guidance; play activities; child abuse and neglect; parent-child personal relationships; learning experiences for children; and laws, regulations and policies relating to child care services.

Overflow: Career Tech Education > Electives

6143 Early Childhood Education 3

An instructional program that prepares individuals for a variety of occupations in child care and guidance often under the supervision of professional personnel in child or day care centers. This program includes instruction in growth and development; nutrition; program planning and management; safety; behavior guidance; play activities; child abuse and neglect; parent-child personal relationships; learning experiences for children; and laws, regulations and policies relating to child care services.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6151 Fashion Design 1

An instructional program that prepares individuals for occupations concerned with the entire spectrum of clothing and textile management, production and services. This program includes but is not limited to construction, fabric and fabric care, pattern design, principles in clothing construction and selection, fitting and alterations of ready-to-wear garments, custom tailoring, clothing maintenance, home furnishings, window treatments, upholstery and textile testing.

Overflow: Career Tech Education > Electives

Career Tech Education

6152 Fashion Design 2

An instructional program that prepares individuals for occupations concerned with the entire spectrum of clothing and textile management, production and services. This program includes but is not limited to construction, fabric and fabric care, pattern design, principles in clothing construction and selection, fitting and alterations of ready-to-wear garments, custom tailoring, clothing maintenance, home furnishings, window treatments, upholstery and textile testing.

Overflow: Career Tech Education > Electives

6153 Fashion Design 3

An instructional program that prepares individuals for occupations concerned with the entire spectrum of clothing and textile management, production and services. This program includes but is not limited to construction, fabric and fabric care, pattern design, principles in clothing construction and selection, fitting and alterations of ready-to-wear garments, custom tailoring, clothing maintenance, home furnishings, window treatments, upholstery and textile testing.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6161 Cosmetology 1

An instructional program that prepares individuals to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

Overflow: Career Tech Education > Electives

6162 Cosmetology 2

An instructional program that prepares individuals to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

Overflow: Career Tech Education > Electives

6163 Cosmetology 3

An instructional program that prepares individuals to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6171 Barbering 1

A program that prepares individuals to shave and trim facial/neck hair and beards, cut and dress hair, fit hairpieces, give facial and scalp massages, apply cosmetic treatments, and to prepare for licensure as professional barbers at various levels. Includes instruction in facial shaving; beard and mustache shaping and trimming; shampooing; hair cutting; hair styles and styling art; facial treatments and massage; chemical applications; hair and scalp anatomy and physiology; hairpiece and toupee fitting; equipment operation; health and safety; customer service; and shop business practices.

Overflow: Career Tech Education > Electives

6172 Barbering 2

A program that prepares individuals to shave and trim facial/neck hair and beards, cut and dress hair, fit hairpieces, give facial and scalp massages, apply cosmetic treatments, and to prepare for licensure as professional barbers at various levels. Includes instruction in facial shaving; beard and mustache shaping and trimming; shampooing; hair cutting; hair styles and styling art; facial treatments and massage; chemical applications; hair and scalp anatomy and physiology; hairpiece and toupee fitting; equipment operation; health and safety; customer service; and shop business practices.

Overflow: Career Tech Education > Electives

6173 Barbering 3

A program that prepares individuals to shave and trim facial/neck hair and beards, cut and dress hair, fit hairpieces, give facial and scalp massages, apply cosmetic treatments, and to prepare for licensure as professional barbers at various levels. Includes instruction in facial shaving; beard and mustache shaping and trimming; shampooing; hair cutting; hair styles and styling art; facial treatments and massage; chemical applications; hair and scalp anatomy and physiology; hairpiece and toupee fitting; equipment operation; health and safety; customer service; and shop business practices.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6201 Graphic Design 1

An instructional program in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of printed media. This program includes instruction in concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.

Overflow: Career Tech Education > Electives

6202 Graphic Design 2

An instructional program in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of printed media. This program includes instruction in concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.

Overflow: Career Tech Education > Electives

Career Tech Education

6203 Graphic Design 3

An instructional program in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of printed media. This program includes instruction in concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6211 Film and Video Production 1

An instructional program that prepares individuals to communicate dramatic information, ideas, moods and feelings through the making and producing of films and videos. This program includes instruction in film theory, film technology and equipment operation, film production, film directing, film editing, cinematographic art, film audio, techniques for making specific types of films and/or videos, media technologies, computer image making, multi-media production and the planning and management of film/video operations.

Overflow: Career Tech Education > Electives

6212 Film and Video Production 2

An instructional program that prepares individuals to communicate dramatic information, ideas, moods and feelings through the making and producing of films and videos. This program includes instruction in film theory, film technology and equipment operation, film production, film directing, film editing, cinematographic art, film audio, techniques for making specific types of films and/or videos, media technologies, computer image making, multi-media production and the planning and management of film/video operations.

Overflow: Career Tech Education > Electives

6213 Film and Video Production 3

An instructional program that prepares individuals to communicate dramatic information, ideas, moods and feelings through the making and producing of films and videos. This program includes instruction in film theory, film technology and equipment operation, film production, film directing, film editing, cinematographic art, film audio, techniques for making specific types of films and/or videos, media technologies, computer image making, multi-media production and the planning and management of film/video operations.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6221 Digital Media Production 1

This program prepares individuals to apply knowledge and skills in the field of multimedia technology. Multimedia technology specialists provide services in a variety of areas associated with typography, web and graphic design, video, audio, television production, animation, and photography. Instruction in this program includes, but is not limited to, audio/visual technology, troubleshooting techniques, computer operation and maintenance, data transmission and management, oral and written communication, math and physics, concept development, layout and design, computer graphics, image capture, audio, video, web related technologies and animation.

Overflow: Career Tech Education > Electives

Career Tech Education

6222 Digital Media Production 2

This program prepares individuals to apply knowledge and skills in the field of multimedia technology. Multimedia technology specialists provide services in a variety of areas associated with typography, web and graphic design, video, audio, television production, animation, and photography. Instruction in this program includes, but is not limited to, audio/visual technology, troubleshooting techniques, computer operation and maintenance, data transmission and management, oral and written communication, math and physics, concept development, layout and design, computer graphics, image capture, audio, video, web related technologies and animation.

Overflow: Career Tech Education > Electives

6223 Digital Media Production 3

This program prepares individuals to apply knowledge and skills in the field of multimedia technology. Multimedia technology specialists provide services in a variety of areas associated with typography, web and graphic design, video, audio, television production, animation, and photography. Instruction in this program includes, but is not limited to, audio/visual technology, troubleshooting techniques, computer operation and maintenance, data transmission and management, oral and written communication, math and physics, concept development, layout and design, computer graphics, image capture, audio, video, web related technologies and animation.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6301 Web Design 1

A program that prepares individuals to apply HTML, XML, Javascript, graphics applications and other authoring tools to the design, editing and publishing (Launching) of documents, images, graphics, sound and multimedia products on the World Wide Web. This program includes instruction in Internet theory, web page standards and policies, elements of web page design, user interfaces, vector tools, special effects, interactive and multimedia components, search engines, navigation, morphing, e-commerce tools, and emerging web technologies.

Overflow: Career Tech Education > Electives

6302 Web Design 2

A program that prepares individuals to apply HTML, XML, Javascript, graphics applications and other authoring tools to the design, editing and publishing (Launching) of documents, images, graphics, sound and multimedia products on the World Wide Web. This program includes instruction in Internet theory, web page standards and policies, elements of web page design, user interfaces, vector tools, special effects, interactive and multimedia components, search engines, navigation, morphing, e-commerce tools, and emerging web technologies.

Overflow: Career Tech Education > Electives

6303 Web Design 3

A program that prepares individuals to apply HTML, XML, Javascript, graphics applications and other authoring tools to the design, editing and publishing (Launching) of documents, images, graphics, sound and multimedia products on the World Wide Web. This program includes instruction in Internet theory, web page standards and policies, elements of web page design, user interfaces, vector tools, special effects, interactive and multimedia components, search engines, navigation, morphing, e-commerce tools, and emerging web technologies.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6311 Computer Systems Networking 1

An instructional program that focuses on the design, implementation and management of linked systems of computers, peripherals and associated software and prepares individuals with the technical skills required to support networks and network users. This program includes instruction in networks technologies and standards: system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, troubleshooting and server optimization. Those completing the program may be employed as a network administrator, network specialist, network technician, webmaster, client services analyst (end user) or network operator.

Overflow: Career Tech Education > Electives

6312 Computer Systems Networking 2

An instructional program that focuses on the design, implementation and management of linked systems of computers, peripherals and associated software and prepares individuals with the technical skills required to support networks and network users. This program includes instruction in networks technologies and standards: system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, troubleshooting and server optimization. Those completing the program may be employed as a network administrator, network specialist, network technician, webmaster, client services analyst (end user) or network operator.

Overflow: Career Tech Education > Electives

6313 Computer Systems Networking 3

An instructional program that focuses on the design, implementation and management of linked systems of computers, peripherals and associated software and prepares individuals with the technical skills required to support networks and network users. This program includes instruction in networks technologies and standards: system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, troubleshooting and server optimization. Those completing the program may be employed as a network administrator, network specialist, network technician, webmaster, client services analyst (end user) or network operator.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6321 Comp Supports Systems Tech 1

An instructional program that prepares individuals to apply basic engineering principles and technical skills in support of professionals who use computer systems. This program includes instruction in basic computer design and architecture, programming, problems of specific computer application, component and system maintenance and inspection procedures, hardware and software problem diagnosis and repair and report preparation.

Overflow: Career Tech Education > Electives

6322 Comp Supports Systems Tech 2

An instructional program that prepares individuals to apply basic engineering principles and technical skills in support of professionals who use computer systems. This program includes instruction in basic computer design and architecture, programming, problems of specific computer application, component and system maintenance and inspection procedures, hardware and software problem diagnosis and repair and report preparation.

Overflow: Career Tech Education > Electives

Career Tech Education

6323 **Comp Supports Systems Tech 3**

An instructional program that prepares individuals to apply basic engineering principles and technical skills in support of professionals who use computer systems. This program includes instruction in basic computer design and architecture, programming, problems of specific computer application, component and system maintenance and inspection procedures, hardware and software problem diagnosis and repair and report preparation.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6351 **Accounting & Fin Services 1**

The Accounting program is designed to provide technical administrative support to professional accountants and other financial management personnel. Students learn to use generally accepted accounting principles in manual and computerized formats to complete the steps of the accounting cycle for various forms of business ownership; verify and enter details of transactions from source documents into journals; post transactions to accounts; summarize details of separate ledgers by transferring data to general ledgers; balance records and compile various financial statements and reports; prepare withholding, social security, and other tax reports; compute, type, and mail monthly statements to customers; complete records through the prior balance; and operate calculators, computers, and spreadsheet and accounting application software. Students also receive instruction in business ethics, business law, economics, office procedures and public relations. Students are provided experiences and instruction needed to satisfy initial employment requirements for accounting, computing and data capturing occupations.

Overflow: Career Tech Education > Electives

6352 **Accounting & Fin Services 2**

The Accounting program is designed to provide technical administrative support to professional accountants and other financial management personnel. Students learn to use generally accepted accounting principles in manual and computerized formats to complete the steps of the accounting cycle for various forms of business ownership; verify and enter details of transactions from source documents into journals; post transactions to accounts; summarize details of separate ledgers by transferring data to general ledgers; balance records and compile various financial statements and reports; prepare withholding, social security, and other tax reports; compute, type, and mail monthly statements to customers; complete records through the prior balance; and operate calculators, computers, and spreadsheet and accounting application software. Students also receive instruction in business ethics, business law, economics, office procedures and public relations. Students are provided experiences and instruction needed to satisfy initial employment requirements for accounting, computing and data capturing occupations.

Overflow: Career Tech Education > Electives

Career Tech Education

6353 Accounting & Fin Services 3

The Accounting program is designed to provide technical administrative support to professional accountants and other financial management personnel. Students learn to use generally accepted accounting principles in manual and computerized formats to complete the steps of the accounting cycle for various forms of business ownership; verify and enter details of transactions from source documents into journals; post transactions to accounts; summarize details of separate ledgers by transferring data to general ledgers; balance records and compile various financial statements and reports; prepare withholding, social security, and other tax reports; compute, type, and mail monthly statements to customers; complete records through the prior balance; and operate calculators, computers, and spreadsheet and accounting application software. Students also receive instruction in business ethics, business law, economics, office procedures and public relations. Students are provided experiences and instruction needed to satisfy initial employment requirements for accounting, computing and data capturing occupations.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6361 Business Administration 1

The administrative assistant/secretarial science program is designed to prepare students general office-related occupations in any occupation area. Students compose and format business documents such as letters, memos and presentations and use word processing, spreadsheet, database, desktop publishing, presentation and communication software. Students receive instruction in Microsoft Office products including Word and Excel that will prepare students to take the Microsoft Office Specialist (MOS) exams. Students also receive instruction in business ethics, principles of business law, office procedures, and accounting.

Overflow: Career Tech Education > Electives

6362 Business Administration 2

The administrative assistant/secretarial science program is designed to prepare students general office-related occupations in any occupation area. Students compose and format business documents such as letters, memos and presentations and use word processing, spreadsheet, database, desktop publishing, presentation and communication software. Students receive instruction in Microsoft Office products including Word and Excel that will prepare students to take the Microsoft Office Specialist (MOS) exams. Students also receive instruction in business ethics, principles of business law, office procedures, and accounting.

Overflow: Career Tech Education > Electives

6363 Business Administration 3

The administrative assistant/secretarial science program is designed to prepare students general office-related occupations in any occupation area. Students compose and format business documents such as letters, memos and presentations and use word processing, spreadsheet, database, desktop publishing, presentation and communication software. Students receive instruction in Microsoft Office products including Word and Excel that will prepare students to take the Microsoft Office Specialist (MOS) exams. Students also receive instruction in business ethics, principles of business law, office procedures, and accounting.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6371 Sports Marketing and Mang 1

An instructional program that generally prepares individuals to perform development, marketing and management functions associated with careers in the sports and entertainment industry. Students receive in-depth instruction in entrepreneurship, management concepts, business economics, business law, marketing concepts, finance, business ethics, communications and human relations. Instruction includes training in the areas of sports marketing and products/services, promotion of sporting events, accounting, sports management principles, business technology with Microsoft applications, financial records, competition, profit, risk management, customer service, decision-making, leadership, and business/event planning development.

Overflow: Career Tech Education > Electives

6372 Sports Marketing and Mang 2

An instructional program that generally prepares individuals to perform development, marketing and management functions associated with careers in the sports and entertainment industry. Students receive in-depth instruction in entrepreneurship, management concepts, business economics, business law, marketing concepts, finance, business ethics, communications and human relations. Instruction includes training in the areas of sports marketing and products/services, promotion of sporting events, accounting, sports management principles, business technology with Microsoft applications, financial records, competition, profit, risk management, customer service, decision-making, leadership, and business/event planning development.

Overflow: Career Tech Education > Electives

6373 Sports Marketing and Mang 3

An instructional program that generally prepares individuals to perform development, marketing and management functions associated with careers in the sports and entertainment industry. Students receive in-depth instruction in entrepreneurship, management concepts, business economics, business law, marketing concepts, finance, business ethics, communications and human relations. Instruction includes training in the areas of sports marketing and products/services, promotion of sporting events, accounting, sports management principles, business technology with Microsoft applications, financial records, competition, profit, risk management, customer service, decision-making, leadership, and business/event planning development.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6421 Comp Aided Drafting & Design 1

An instructional program that generally prepares individuals to apply technical knowledge and skills as each relates to gathering and translating of data or specifications including basic aspects of planning, preparing and interpreting mechanical, architectural, chemical, structural, civil, pneumatic, marine, electrical/electronic, topographical and other drawings and sketches used in various engineering fields. Instruction is designed to provide experiences in drawing and CAD; the use of reproduction materials, equipment and processes; the preparation of reports and data sheets for writing specifications; the development of plan and process charts indicating dimensions, tolerances, fasteners, joint requirements and other engineering data; the development of models; and drafting multiple view assembly and sub-assembly drawings as required for manufacture, construction and repair of mechanisms.

Overflow: Career Tech Education > Electives

Career Tech Education

6422 **Comp Aided Drafting & Design 2**

An instructional program that generally prepares individuals to apply technical knowledge and skills as each relates to gathering and translating of data or specifications including basic aspects of planning, preparing and interpreting mechanical, architectural, chemical, structural, civil, pneumatic, marine, electrical/electronic, topographical and other drawings and sketches used in various engineering fields. Instruction is designed to provide experiences in drawing and CAD; the use of reproduction materials, equipment and processes; the preparation of reports and data sheets for writing specifications; the development of plan and process charts indicating dimensions, tolerances, fasteners, joint requirements and other engineering data; the development of models; and drafting multiple view assembly and sub-assembly drawings as required for manufacture, construction and repair of mechanisms.

Overflow: Career Tech Education > Electives

6423 **Comp Aided Drafting & Design 3**

An instructional program that generally prepares individuals to apply technical knowledge and skills as each relates to gathering and translating of data or specifications including basic aspects of planning, preparing and interpreting mechanical, architectural, chemical, structural, civil, pneumatic, marine, electrical/electronic, topographical and other drawings and sketches used in various engineering fields. Instruction is designed to provide experiences in drawing and CAD; the use of reproduction materials, equipment and processes; the preparation of reports and data sheets for writing specifications; the development of plan and process charts indicating dimensions, tolerances, fasteners, joint requirements and other engineering data; the development of models; and drafting multiple view assembly and sub-assembly drawings as required for manufacture, construction and repair of mechanisms.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6431 **Drafting and Arch Design 1**

An instructional program that prepares individuals to apply technical knowledge and understanding of scientific principles, mathematical concepts and communicative and technical skills, including CAD, combined with laboratory experiences which are supportive to the architect and the architectural engineer. This subject matter is concerned with developing plans for buildings and other structures using various building materials and creative layouts and designs that are in keeping with the various building codes, zoning laws and other regulations and ordinances. The resulting effort must be in keeping with cost limitations as well as the client's preference to the style and plan with emphasis on the art form. The worker assists the architect in inspections to make certain that the design is not altered and that the materials used agree with contract specifications, primarily in the field of building construction.

Overflow: Career Tech Education > Electives

6432 **Drafting and Arch Design 2**

An instructional program that prepares individuals to apply technical knowledge and understanding of scientific principles, mathematical concepts and communicative and technical skills, including CAD, combined with laboratory experiences which are supportive to the architect and the architectural engineer. This subject matter is concerned with developing plans for buildings and other structures using various building materials and creative layouts and designs that are in keeping with the various building codes, zoning laws and other regulations and ordinances. The resulting effort must be in keeping with cost limitations as well as the client's preference to the style and plan with emphasis on the art form. The worker assists the architect in inspections to make certain that the design is not altered and that the materials used agree with contract specifications, primarily in the field of building construction.

Overflow: Career Tech Education > Electives

Career Tech Education

6433 Drafting and Arch Design 3

An instructional program that prepares individuals to apply technical knowledge and understanding of scientific principles, mathematical concepts and communicative and technical skills, including CAD, combined with laboratory experiences which are supportive to the architect and the architectural engineer. This subject matter is concerned with developing plans for buildings and other structures using various building materials and creative layouts and designs that are in keeping with the various building codes, zoning laws and other regulations and ordinances. The resulting effort must be in keeping with cost limitations as well as the client's preference to the style and plan with emphasis on the art form. The worker assists the architect in inspections to make certain that the design is not altered and that the materials used agree with contract specifications, primarily in the field of building construction.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6441 Engineering Technologies 1

An instructional program that prepares individuals to apply basic engineering and scientific principles, mathematical concepts and communication and technical skills in the support of a broad range of engineering activities. The student will be prepared to assist the engineer as a technician, knowledgeable in methods and procedures and be able to demonstrate skills of a broad-based nature with the ability to adopt/adapt to a specific or specialty application. The technical core of the program should focus primarily on the discipline associated with Electrical/Electronic and Mechanical Engineering Technology and consist of the following: electrical circuitry, electronic digital and microprocessor applications, high and low voltage applications, instrumentation calibration, prototype development, testing, inspecting, systems analyses and maintenance, applications to specific engineering systems, CAD/CAM, fluid power, heating and cooling, manufacturing systems, principles of mechanics, properties of materials and report writing.

Overflow: Career Tech Education > Electives

6442 Engineering Technologies 2

An instructional program that prepares individuals to apply basic engineering and scientific principles, mathematical concepts and communication and technical skills in the support of a broad range of engineering activities. The student will be prepared to assist the engineer as a technician, knowledgeable in methods and procedures and be able to demonstrate skills of a broad-based nature with the ability to adopt/adapt to a specific or specialty application. The technical core of the program should focus primarily on the discipline associated with Electrical/Electronic and Mechanical Engineering Technology and consist of the following: electrical circuitry, electronic digital and microprocessor applications, high and low voltage applications, instrumentation calibration, prototype development, testing, inspecting, systems analyses and maintenance, applications to specific engineering systems, CAD/CAM, fluid power, heating and cooling, manufacturing systems, principles of mechanics, properties of materials and report writing.

Overflow: Career Tech Education > Electives

Career Tech Education

6443 Engineering Technologies 3

An instructional program that prepares individuals to apply basic engineering and scientific principles, mathematical concepts and communication and technical skills in the support of a broad range of engineering activities. The student will be prepared to assist the engineer as a technician, knowledgeable in methods and procedures and be able to demonstrate skills of a broad-based nature with the ability to adopt/adapt to a specific or specialty application. The technical core of the program should focus primarily on the discipline associated with Electrical/Electronic and Mechanical Engineering Technology and consist of the following: electrical circuitry, electronic digital and microprocessor applications, high and low voltage applications, instrumentation calibration, prototype development, testing, inspecting, systems analyses and maintenance, applications to specific engineering systems, CAD/CAM, fluid power, heating and cooling, manufacturing systems, principles of mechanics, properties of materials and report writing.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6461 Autobody Collision Repair 1

An instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

Overflow: Career Tech Education > Electives

6462 Autobody Collision Repair 2

An instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

Overflow: Career Tech Education > Electives

6463 Autobody Collision Repair 3

An instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6471 Automotive Technology 1

An instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

Overflow: Career Tech Education > Electives

6472 Automotive Technology 2

An instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

Overflow: Career Tech Education > Electives

6473 Automotive Technology 3

An instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6481 Log, Mat & Supply Chain Mang 1

An instructional program that prepares individuals to manage and coordinate logistical functions in an enterprise and to undertake the responsibilities associated with receiving, storing, shipping, controlling and distributing products and materials and the various systems and record keeping pertaining to these operations. Students will be instructed in the use of storage space, inventory control and shipping and receiving practices; equipment such as forklifts, conveyors, hand trucks, carts and other devices used to transport materials and/or supplies to various destinations; and the various types of packaging techniques necessary for safe transport of goods. Students will learn the many types of documents used in logistics such as purchase orders, invoices, bills of lading, requisitions, quotations, etc. Students will also be instructed in the areas of transportation and traffic which will cover freight rates and tariffs, freight classification rules and freight rate analysis.

Overflow: Career Tech Education > Electives

Career Tech Education

6482 Log, Mat & Supply Chain Mang 2

An instructional program that prepares individuals to manage and coordinate logistical functions in an enterprise and to undertake the responsibilities associated with receiving, storing, shipping, controlling and distributing products and materials and the various systems and record keeping pertaining to these operations. Students will be instructed in the use of storage space, inventory control and shipping and receiving practices; equipment such as forklifts, conveyors, hand trucks, carts and other devices used to transport materials and/or supplies to various destinations; and the various types of packaging techniques necessary for safe transport of goods. Students will learn the many types of documents used in logistics such as purchase orders, invoices, bills of lading, requisitions, quotations, etc. Students will also be instructed in the areas of transportation and traffic which will cover freight rates and tariffs, freight classification rules and freight rate analysis.

Overflow: Career Tech Education > Electives

6483 Log, Mat & Supply Chain Mang 3

An instructional program that prepares individuals to manage and coordinate logistical functions in an enterprise and to undertake the responsibilities associated with receiving, storing, shipping, controlling and distributing products and materials and the various systems and record keeping pertaining to these operations. Students will be instructed in the use of storage space, inventory control and shipping and receiving practices; equipment such as forklifts, conveyors, hand trucks, carts and other devices used to transport materials and/or supplies to various destinations; and the various types of packaging techniques necessary for safe transport of goods. Students will learn the many types of documents used in logistics such as purchase orders, invoices, bills of lading, requisitions, quotations, etc. Students will also be instructed in the areas of transportation and traffic which will cover freight rates and tariffs, freight classification rules and freight rate analysis.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6501 Carpentry 1

An instructional program that prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

Overflow: Career Tech Education > Electives

6502 Carpentry 2

An instructional program that prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

Overflow: Career Tech Education > Electives

6503 Carpentry 3

An instructional program that prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6511 Electrical and Power Trans 1

An instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

Overflow: Career Tech Education > Electives

6512 Electrical and Power Trans 2

An instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

Overflow: Career Tech Education > Electives

6513 Electrical and Power Trans 3

An instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6521 Facility and Property Maint 1

An instructional program that prepares individuals to apply technical knowledge and skills in the maintenance and repair of residential, office, apartment buildings and other commercial buildings. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing and record keeping.

Overflow: Career Tech Education > Electives

Career Tech Education

6522 Facility and Property Maint 2

An instructional program that prepares individuals to apply technical knowledge and skills in the maintenance and repair of residential, office, apartment buildings and other commercial buildings. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing and record keeping.

Overflow: Career Tech Education > Electives

6523 Facility and Property Maint 3

An instructional program that prepares individuals to apply technical knowledge and skills in the maintenance and repair of residential, office, apartment buildings and other commercial buildings. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing and record keeping.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6531 Plumbing Technology 1

An instructional program that prepares individuals to apply technical knowledge and skills in layout, assembly, installation and repair of pipes, fittings and fixtures for steam, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems according to specifications and plumbing codes. Students learn to study building plans and working drawings; inspect structures to determine routing and installation of pipes; cut openings in walls and floors to accommodate pipes; cut and thread pipe; assemble and install valves and pipe fittings; join pipes; and install and repair plumbing fixtures such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers and water softeners. Instruction also includes the use of manuals, code books, catalogues, hand tools and power equipment.

Overflow: Career Tech Education > Electives

6532 Plumbing Technology 2

An instructional program that prepares individuals to apply technical knowledge and skills in layout, assembly, installation and repair of pipes, fittings and fixtures for steam, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems according to specifications and plumbing codes. Students learn to study building plans and working drawings; inspect structures to determine routing and installation of pipes; cut openings in walls and floors to accommodate pipes; cut and thread pipe; assemble and install valves and pipe fittings; join pipes; and install and repair plumbing fixtures such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers and water softeners. Instruction also includes the use of manuals, code books, catalogues, hand tools and power equipment.

Overflow: Career Tech Education > Electives

Career Tech Education

6533 Plumbing Technology 3

An instructional program that prepares individuals to apply technical knowledge and skills in layout, assembly, installation and repair of pipes, fittings and fixtures for steam, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems according to specifications and plumbing codes. Students learn to study building plans and working drawings; inspect structures to determine routing and installation of pipes; cut openings in walls and floors to accommodate pipes; cut and thread pipe; assemble and install valves and pipe fittings; join pipes; and install and repair plumbing fixtures such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers and water softeners. Instruction also includes the use of manuals, code books, catalogues, hand tools and power equipment.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6541 Construction Technologies 1

A cluster industry/occupational program that provides for a sequence of secondary technical core and academic courses in a program of study. This program prepares individuals to apply knowledge and skills in the construction technology field. Instruction is provided in the basic skills in a variety of areas associated with building construction such as carpentry, masonry, plumbing, heating and electrical. Instruction includes but is not limited to blue print reading; cost estimating; uses of hand and power tools; cutting, fitting, fastening and finishing various materials; and applying technical specifications and knowledge concerning the physical properties of materials.

Overflow: Career Tech Education > Electives

6542 Construction Technologies 2

A cluster industry/occupational program that provides for a sequence of secondary technical core and academic courses in a program of study. This program prepares individuals to apply knowledge and skills in the construction technology field. Instruction is provided in the basic skills in a variety of areas associated with building construction such as carpentry, masonry, plumbing, heating and electrical. Instruction includes but is not limited to blue print reading; cost estimating; uses of hand and power tools; cutting, fitting, fastening and finishing various materials; and applying technical specifications and knowledge concerning the physical properties of materials.

Overflow: Career Tech Education > Electives

6543 Construction Technologies 3

A cluster industry/occupational program that provides for a sequence of secondary technical core and academic courses in a program of study. This program prepares individuals to apply knowledge and skills in the construction technology field. Instruction is provided in the basic skills in a variety of areas associated with building construction such as carpentry, masonry, plumbing, heating and electrical. Instruction includes but is not limited to blue print reading; cost estimating; uses of hand and power tools; cutting, fitting, fastening and finishing various materials; and applying technical specifications and knowledge concerning the physical properties of materials.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6551 Electronics/Automated Sys 1

An instructional program that prepares individuals to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Emphasis is on passive components and solid-state devices; digital circuits; optoelectronic devices; operational amplifiers; audio and RF amplifiers; oscillators; power supplies; and AM, FM and PCM modulators. Knowledge is acquired through theoretical instruction, experimentation and hands-on activities. Instruction will develop basic levels of knowledge, understanding and associated skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations.

Overflow: Career Tech Education > Electives

6552 Electronics/Automated Sys 2

An instructional program that prepares individuals to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Emphasis is on passive components and solid-state devices; digital circuits; optoelectronic devices; operational amplifiers; audio and RF amplifiers; oscillators; power supplies; and AM, FM and PCM modulators. Knowledge is acquired through theoretical instruction, experimentation and hands-on activities. Instruction will develop basic levels of knowledge, understanding and associated skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations.

Overflow: Career Tech Education > Electives

6553 Electronics/Automated Sys 3

An instructional program that prepares individuals to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Emphasis is on passive components and solid-state devices; digital circuits; optoelectronic devices; operational amplifiers; audio and RF amplifiers; oscillators; power supplies; and AM, FM and PCM modulators. Knowledge is acquired through theoretical instruction, experimentation and hands-on activities. Instruction will develop basic levels of knowledge, understanding and associated skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6571 Precision Machine Tool Tech 1

An instructional program that prepares individuals to apply technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, shapers, milling machines, grinders, drills and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate all types of hand and computer controlled machines.

Overflow: Career Tech Education > Electives

Career Tech Education

6572 Precision Machine Tool Tech 2

An instructional program that prepares individuals to apply technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, shapers, milling machines, grinders, drills and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate all types of hand and computer controlled machines.

Overflow: Career Tech Education > Electives

6573 Precision Machine Tool Tech 3

An instructional program that prepares individuals to apply technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, shapers, milling machines, grinders, drills and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate all types of hand and computer controlled machines.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6581 Welding Technology 1

An instructional program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

Overflow: Career Tech Education > Electives

6582 Welding Technology 2

An instructional program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

Overflow: Career Tech Education > Electives

Career Tech Education

6583 Welding Technology 3

An instructional program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6601 Dental Assisting 1

An instructional program that prepares individuals to function effectively as an integral member of the dental health team. The practitioner will perform chair-side assisting, related office duties and selected dental office laboratory procedures and dental radiography under the supervision of a licensed dentist. The planned courses should include instruction in universal precautions, OSHA regulations, communications skills, computer literacy, psychology, anatomy and physiology, microbiology and nutrition. Dental Science instruction shall include content in dental materials, dental radiography, oral anatomy, histology, oral embryology, oral pathology and therapeutics. Clinical science should emphasize the principles and application of office management, chair-side assisting, dental emergencies and legal/ethical aspects of dental practice. Clinical practice is an integral part of the program designed to perfect students' competence in performing dental assisting functions.

Overflow: Career Tech Education > Electives

6602 Dental Assisting 2

An instructional program that prepares individuals to function effectively as an integral member of the dental health team. The practitioner will perform chair-side assisting, related office duties and selected dental office laboratory procedures and dental radiography under the supervision of a licensed dentist. The planned courses should include instruction in universal precautions, OSHA regulations, communications skills, computer literacy, psychology, anatomy and physiology, microbiology and nutrition. Dental Science instruction shall include content in dental materials, dental radiography, oral anatomy, histology, oral embryology, oral pathology and therapeutics. Clinical science should emphasize the principles and application of office management, chair-side assisting, dental emergencies and legal/ethical aspects of dental practice. Clinical practice is an integral part of the program designed to perfect students' competence in performing dental assisting functions.

Overflow: Career Tech Education > Electives

Career Tech Education

6603 Dental Assisting 3

An instructional program that prepares individuals to function effectively as an integral member of the dental health team. The practitioner will perform chair-side assisting, related office duties and selected dental office laboratory procedures and dental radiography under the supervision of a licensed dentist. The planned courses should include instruction in universal precautions, OSHA regulations, communications skills, computer literacy, psychology, anatomy and physiology, microbiology and nutrition. Dental Science instruction shall include content in dental materials, dental radiography, oral anatomy, histology, oral embryology, oral pathology and therapeutics. Clinical science should emphasize the principles and application of office management, chair-side assisting, dental emergencies and legal/ethical aspects of dental practice. Clinical practice is an integral part of the program designed to perfect students' competence in performing dental assisting functions.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6611 Health Info Records Tech 1

An instructional program that prepares individuals to classify medical information and prepare records under the supervision of a medical records administrator. This program includes instruction in medical records science, medical terminology, record classification, user needs, indexing, special records systems, computer operation and management of information systems. Health occupation core instruction includes planned courses in medical terminology, anatomy and physiology, communication skills, ethics and applicable laws and regulations. Clinical education is an integral part of health occupations education.

Overflow: Career Tech Education > Electives

6612 Health Info Records Tech 2

An instructional program that prepares individuals to classify medical information and prepare records under the supervision of a medical records administrator. This program includes instruction in medical records science, medical terminology, record classification, user needs, indexing, special records systems, computer operation and management of information systems. Health occupation core instruction includes planned courses in medical terminology, anatomy and physiology, communication skills, ethics and applicable laws and regulations. Clinical education is an integral part of health occupations education.

Overflow: Career Tech Education > Electives

6613 Health Info Records Tech 3

An instructional program that prepares individuals to classify medical information and prepare records under the supervision of a medical records administrator. This program includes instruction in medical records science, medical terminology, record classification, user needs, indexing, special records systems, computer operation and management of information systems. Health occupation core instruction includes planned courses in medical terminology, anatomy and physiology, communication skills, ethics and applicable laws and regulations. Clinical education is an integral part of health occupations education.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

Career Tech Education

6621 Clinical Medical Assistant 1

An instructional program that prepares individuals to assist physicians by performing functions related to both administrative and clinical duties of a medical office. Administrative components of instruction include telephone technique, insurance, accounts, reports, medical records, computerized fiscal management, medical transcription and word processing. The clinical aspects of the program provide instruction in examination room techniques, aseptic practices, infection control, care of equipment and supplies, CPR and first aid, laboratory orientation and the use of biomedical equipment. The curriculum includes planned courses in anatomy and physiology, universal precautions and OSHA regulations, medical terminology, medical law and ethics, psychology, communications, introduction to pharmacology, medical assisting skills and clinical practice.

Overflow: Career Tech Education > Electives

6622 Clinical Medical Assistant 2

An instructional program that prepares individuals to assist physicians by performing functions related to both administrative and clinical duties of a medical office. Administrative components of instruction include telephone technique, insurance, accounts, reports, medical records, computerized fiscal management, medical transcription and word processing. The clinical aspects of the program provide instruction in examination room techniques, aseptic practices, infection control, care of equipment and supplies, CPR and first aid, laboratory orientation and the use of biomedical equipment. The curriculum includes planned courses in anatomy and physiology, universal precautions and OSHA regulations, medical terminology, medical law and ethics, psychology, communications, introduction to pharmacology, medical assisting skills and clinical practice.

Overflow: Career Tech Education > Electives

6623 Clinical Medical Assistant 3

An instructional program that prepares individuals to assist physicians by performing functions related to both administrative and clinical duties of a medical office. Administrative components of instruction include telephone technique, insurance, accounts, reports, medical records, computerized fiscal management, medical transcription and word processing. The clinical aspects of the program provide instruction in examination room techniques, aseptic practices, infection control, care of equipment and supplies, CPR and first aid, laboratory orientation and the use of biomedical equipment. The curriculum includes planned courses in anatomy and physiology, universal precautions and OSHA regulations, medical terminology, medical law and ethics, psychology, communications, introduction to pharmacology, medical assisting skills and clinical practice.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6631 Emergency Medical Technician 1

A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in pre-hospital settings and to supervise ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.

Overflow: Career Tech Education > Electives

Career Tech Education

6632 Emergency Medical Technician 2

A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in pre-hospital settings and to supervise ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.

Overflow: Career Tech Education > Electives

6633 Emergency Medical Technician 3

A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in pre-hospital settings and to supervise ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6641 Health Related Technologies 1

This program prepares individuals to apply knowledge and skills in the health occupations. Instruction is provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, pharmaceutical and medical instruments and supplies. Instruction includes but is not limited to foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupational skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Career Tech Education > Electives

6642 Health Related Technologies 2

This program prepares individuals to apply knowledge and skills in the health occupations. Instruction is provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, pharmaceutical and medical instruments and supplies. Instruction includes but is not limited to foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupational skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Career Tech Education > Electives

Career Tech Education

6643 Health Related Technologies 3

This program prepares individuals to apply knowledge and skills in the health occupations. Instruction is provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, pharmaceutical and medical instruments and supplies. Instruction includes but is not limited to foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupational skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6651 Rehabilitation Aide 1

A program that prepares individuals to assist in rehabilitation services under the supervision of physical therapists, occupational therapists, and other therapeutic professionals, and to perform routine functions in support of rehabilitation. Includes instruction in roles and responsibilities of rehabilitation providers, basic function of the human body, disabling conditions, therapeutic skills, client management, and communication skills.

Overflow: Career Tech Education > Electives

6652 Rehabilitation Aide 2

A program that prepares individuals to assist in rehabilitation services under the supervision of physical therapists, occupational therapists, and other therapeutic professionals, and to perform routine functions in support of rehabilitation. Includes instruction in roles and responsibilities of rehabilitation providers, basic function of the human body, disabling conditions, therapeutic skills, client management, and communication skills.

Overflow: Career Tech Education > Electives

6653 Rehabilitation Aide 3

A program that prepares individuals to assist in rehabilitation services under the supervision of physical therapists, occupational therapists, and other therapeutic professionals, and to perform routine functions in support of rehabilitation. Includes instruction in roles and responsibilities of rehabilitation providers, basic function of the human body, disabling conditions, therapeutic skills, client management, and communication skills.

Overflow: Career Tech Education > Math/Sci or AP/IB > Electives

6990 CTE Senior Capstone Project

Work-Based Learning enables students to combine academic classroom instruction (school-based learning component) with occupational instruction through learning on the job (work-based learning component) in a career area of choice. Emphasis is placed on the students' education and employability skills.

Overflow: Career Tech Education > Electives

Career Tech Education

6991 CTE Work-Based Learning 1

Work-Based Learning enables students to combine academic classroom instruction (school-based learning component) with occupational instruction through learning on the job (work-based learning component) in a career area of choice. Emphasis is placed on the students' education and employability skills.

Overflow: Career Tech Education > Electives

6992 CTE Work-Based Learning 2

Work-Based Learning enables students to combine academic classroom instruction (school-based learning component) with occupational instruction through learning on the job (work-based learning component) in a career area of choice. Emphasis is placed on the students' education and employability skills.

Overflow: Career Tech Education > Electives

Electives

0500 Eng Proficiency Development

English Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations.

Overflow: Electives

0505 SAT Prep - English

SAT Prep courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking. Topics covered include vocabulary, reading comprehension, and writing strategies, as well as time management, scoring procedures, and dealing with test-related stress. Course materials may include national and state standardized test review materials (such as ACT, SAT, or PSAT test review materials), current assessment software programs, and previous standardized examinations.

Overflow: Electives

2500 Math Proficiency Development

Mathematics Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations.

Overflow: Electives

2505 SAT Prep - Math

SAT Prep courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking. Topics covered include vocabulary, reading comprehension, and writing strategies, as well as time management, scoring procedures, and dealing with test-related stress. Course materials may include national and state standardized test review materials (such as ACT, SAT, or PSAT test review materials), current assessment software programs, and previous standardized examinations.

Overflow: Electives

Electives

3500 **Sci Proficiency Development**

Sciences Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations related to the life sciences and physical sciences.

Overflow: Electives

7650 **Driver Education**

Pennsylvania Enhanced Driver Education requires 30 hours of classroom instruction provided by a certified Driver and Safety Education teacher. Applicants must be approaching their 16th birthday in order to be eligible for this course.

Overflow: Electives

9000 **Seminar**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills.

Overflow: Electives

9009 **Seminar Freshman**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills.

Overflow: Electives

9010 **Seminar Sophomore**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills.

Overflow: Electives

9011 **Seminar Junior**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

Overflow: Electives

9012 **Seminar Senior**

Seminar courses vary widely, but typically offer a small peer group the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills. Seminars aimed at juniors and seniors often include a college and career exploration and planning component.

Overflow: Electives

Electives

9025 Senior Capstone

Senior Capstone courses vary widely, but typically offer the opportunity to investigate areas of interest. Course objectives may include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem-solving and critical-thinking skills.

Overflow: Electives

9120 Sat Prep

SAT Prep courses provide students with activities in analytical thinking and with the skills and strategies associated with standardized test taking. Topics covered include vocabulary, reading comprehension, and writing strategies, as well as time management, scoring procedures, and dealing with test-related stress. Course materials may include national and state standardized test review materials (such as ACT, SAT, or PSAT test review materials), current assessment software programs, and previous standardized examinations.

Overflow: Electives

9200 Career Exploration

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

Overflow: Electives

9210 Adv Via Ind Determination 1

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

Overflow: Electives

9220 Adv Via Ind Determination 2

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

Overflow: Electives

9230 Adv Via Ind Determination 3

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

Overflow: Electives

9240 Adv Via Ind Determination 4

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

Overflow: Electives

Electives

9250 College and Career Readiness

This course encourage students to pursue college and career readiness (and eventual enrollment). Typically, the courses offer activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

Overflow: Electives

9260 Entrepreneurship

Entrepreneurship courses help students develop the knowledge and skills necessary to own and operate their own businesses. The course content typically covers topics from a number of fields: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, communication, information management, risk management, and strategic management. Several topics surveyed in Business Management courses may also be included.

Overflow: Electives

9300 Yearbook

Yearbook courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide students with the opportunity to improve their photo composition and digital technology skills, and to apply their art to journalistic endeavors. These courses may also cover film development.

Overflow: Electives

9520 Internship

Internships are career preparation work-based learning experiences in a particular occupational area that assist the student in developing technical competencies while they earn school credit. An internship is a highly-structured, sustained career preparation activity in which students are placed at a workplace for a defined period of time to participate in and observe work firsthand within a given industry. Learning objectives are specified, and student performance is assessed.

Overflow: Electives

9600 Intro to Food Processing Sci

An introduction to subject matter and learning experiences designed to prepare individuals to receive, process, and store food and non-food products and to inspect those products preparatory to marketing. This program includes instruction in processes, scientific principles and management decisions concerned with agricultural production of agriculture-related processing and storage techniques. The groups of food products include: (1) meat, fish, poultry and eggs; (2) dairy products; (3) fruits and vegetables; (4) cereal grains; and (5) other foods and beverages. The non-food products include cotton, tobacco and wool. Instruction may be provided in any or all groups of these products.

Overflow: Electives

Electives

9601 Intro to Horticulture

An introduction to subject matter and practical experiences that generally prepares individuals to produce, process and market plants, shrubs and trees used principally for ornamental, recreational and aesthetic purposes and to establish, maintain and manage horticultural enterprises. Instruction emphasizes knowledge, understanding and application important to establishing, maintaining and managing horticultural enterprises such as arboriculture, floriculture, greenhouse operation and management, landscaping, nursery operation and management and turf management.

Overflow: Electives

9602 Intro to Animal Sciences

An introduction to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and instruction in the animal sciences, animal husbandry, health, production, and agricultural and food products. Instruction will also include a laboratory experience in and/or out of school including supervised agricultural experience (SAE). Approved academic courses taught by certificated academic teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Electives

9603 Intro to Nat Resources Mang

An introduction to subject matter and planned learning experiences concerned with the principles and processes involved in the conservation, protection and/or improvement of natural resources found in the environment such as air, forests, soil, water, fish, plants and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management and operation of forest lands for recreational purposes.

Overflow: Electives

9604 Intro to Biotechnology

An introduction to the application of the biological sciences, biochemistry and genetics in preparation of new and enhanced agricultural, environmental, clinical and industrial products including the commercial exploitation of microbes, plants and animals. This program may include instruction in bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, xenotransplantation, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production process, patent law and biotechnology management and marketing, applicable regulations and biotechnology ethics.

Overflow: Electives

9610 Intro to Baking & Pastry Arts

An introduction to classroom and practical work experiences associated with the preparation of breads, crackers, cakes, pies, pastries and other bakery products for retail distribution, for consumption in a commercial food service establishment or for special functions. Instruction includes making, freezing and handling of bake products; decorating; counter display; and packaging of merchandise. This is a comprehensive program to prepare individuals for employment in a variety of occupations in the Baking industry.

Overflow: Electives

Electives

9611 Intro to Culinary Arts

An introduction to employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

Overflow: Electives

9614 Intro to Early Childhood Ed

An introduction to occupations in child care and guidance often under the supervision of professional personnel in child or day care centers. This program includes instruction in growth and development; nutrition; program planning and management; safety; behavior guidance; play activities; child abuse and neglect; parent-child personal relationships; learning experiences for children; and laws, regulations and policies relating to child care services.

Overflow: Electives

9615 Intro to Fashion Design

An introduction to occupations concerned with the entire spectrum of clothing and textile management, production and services. This program includes but is not limited to construction, fabric and fabric care, pattern design, principles in clothing construction and selection, fitting and alterations of ready-to-wear garments, custom tailoring, clothing maintenance, home furnishings, window treatments, upholstery and textile testing.

Overflow: Electives

9616 Intro to Cosmetology

An introduction to technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

Overflow: Electives

9617 Intro to Barbering

An introduction to shave and trim facial/neck hair and beards, cut and dress hair, fit hairpieces, give facial and scalp massages, apply cosmetic treatments, and to prepare for licensure as professional barbers at various levels. Includes instruction in facial shaving; beard and mustache shaping and trimming; shampooing; hair cutting; hair styles and styling art; facial treatments and massage; chemical applications; hair and scalp anatomy and physiology; hairpiece and toupee fitting; equipment operation; health and safety; customer service; and shop business practices.

Overflow: Electives

Electives

9620 Intro to Graphic Design

An introduction to the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of printed media. This program includes instruction in concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.

Overflow: Electives

9621 Intro to Film & Video Prod

An introduction to communicate dramatic information, ideas, moods and feelings through the making and producing of films and videos. This program includes instruction in film theory, film technology and equipment operation, film production, film directing, film editing, cinematographic art, film audio, techniques for making specific types of films and/or videos, media technologies, computer image making, multi-media production and the planning and management of film/video operations.

Overflow: Electives

9622 Intro to Digital Media Prod

An introduction to knowledge and skills in the field of multimedia technology. Multimedia technology specialists provide services in a variety of areas associated with typography, web and graphic design, video, audio, television production, animation, and photography. Instruction in this program includes, but is not limited to, audio/visual technology, troubleshooting techniques, computer operation and maintenance, data transmission and management, oral and written communication, math and physics, concept development, layout and design, computer graphics, image capture, audio, video, web related technologies and animation.

Overflow: Electives

9630 Intro to Web Design

An introduction to HTML, XML, Javascript, graphics applications and other authoring tools to the design, editing and publishing (Launching) of documents, images, graphics, sound and multimedia products on the World Wide Web. This program includes instruction in Internet theory, web page standards and policies, elements of web page design, user interfaces, vector tools, special effects, interactive and multimedia components, search engines, navigation, morphing, e-commerce tools, and emerging web technologies.

Overflow: Electives

9631 Intro to Comp Sys Networking

An introduction to the design, implementation and management of linked systems of computers, peripherals and associated software and prepares individuals with the technical skills required to support networks and network users. This program includes instruction in networks technologies and standards: system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, troubleshooting and server optimization. Those completing the program may be employed as a network administrator, network specialist, network technician, webmaster, client services analyst (end user) or network operator.

Overflow: Electives

Electives

9632 Intro to Comp Sup Sys Tech

An introduction to basic engineering principles and technical skills in support of professionals who use computer systems. This program includes instruction in basic computer design and architecture, programming, problems of specific computer application, component and system maintenance and inspection procedures, hardware and software problem diagnosis and repair and report preparation.

Overflow: Electives

9635 Intro to Acc & Fin Services

An introduction to technical administrative support to professional accountants and other financial management personnel. Students learn to use generally accepted accounting principles in manual and computerized formats to complete the steps of the accounting cycle for various forms of business ownership; verify and enter details of transactions from source documents into journals; post transactions to accounts; summarize details of separate ledgers by transferring data to general ledgers; balance records and compile various financial statements and reports; prepare withholding, social security, and other tax reports; compute, type, and mail monthly statements to customers; complete records through the prior balance; and operate calculators, computers, and spreadsheet and accounting application software. Students also receive instruction in business ethics, business law, economics, office procedures and public relations. Students are provided experiences and instruction needed to satisfy initial employment requirements for accounting, computing and data capturing occupations.

Overflow: Electives

9636 Intro to Business Admin

An introduction to general office-related occupations in any occupation area. Students compose and format business documents such as letters, memos and presentations and use word processing, spreadsheet, database, desktop publishing, presentation and communication software. Students receive instruction in Microsoft Office products including Word and Excel that will prepare students to take the Microsoft Office Specialist (MOS) exams. Students also receive instruction in business ethics, principles of business law, office procedures, and accounting.

Overflow: Electives

9637 Intro to Sports Mark and Mang

An introduction to development, marketing and management functions associated with careers in the sports and entertainment industry. Students receive in-depth instruction in entrepreneurship, management concepts, business economics, business law, marketing concepts, finance, business ethics, communications and human relations. Instruction includes training in the areas of sports marketing and products/services, promotion of sporting events, accounting, sports management principles, business technology with Microsoft applications, financial records, competition, profit, risk management, customer service, decision-making, leadership, and business/event planning development.

Overflow: Electives

Electives

9642 Intro to CADD

An introduction to technical knowledge and skills as each relates to gathering and translating of data or specifications including basic aspects of planning, preparing and interpreting mechanical, architectural, chemical, structural, civil, pneumatic, marine, electrical/electronic, topographical and other drawings and sketches used in various engineering fields. Instruction is designed to provide experiences in drawing and CAD; the use of reproduction materials, equipment and processes; the preparation of reports and data sheets for writing specifications; the development of plan and process charts indicating dimensions, tolerances, fasteners, joint requirements and other engineering data; the development of models; and drafting multiple view assembly and sub-assembly drawings as required for manufacture, construction and repair of mechanisms.

Overflow: Electives

9643 Intro to Drafting and Arch Des

An introduction to technical knowledge and understanding of scientific principles, mathematical concepts and communicative and technical skills, including CAD, combined with laboratory experiences which are supportive to the architect and the architectural engineer. This subject matter is concerned with developing plans for buildings and other structures using various building materials and creative layouts and designs that are in keeping with the various building codes, zoning laws and other regulations and ordinances. The resulting effort must be in keeping with cost limitations as well as the client's preference to the style and plan with emphasis on the art form. The worker assists the architect in inspections to make certain that the design is not altered and that the materials used agree with contract specifications, primarily in the field of building construction.

Overflow: Electives

9644 Intro to Engineering Tech

An introduction to basic engineering and scientific principles, mathematical concepts and communication and technical skills in the support of a broad range of engineering activities. The student will be prepared to assist the engineer as a technician, knowledgeable in methods and procedures and be able to demonstrate skills of a broad-based nature with the ability to adopt/adapt to a specific or specialty application. The technical core of the program should focus primarily on the discipline associated with Electrical/Electronic and Mechanical Engineering Technology and consist of the following: electrical circuitry, electronic digital and microprocessor applications, high and low voltage applications, instrumentation calibration, prototype development, testing, inspecting, systems analyses and maintenance, applications to specific engineering systems, CAD/CAM, fluid power, heating and cooling, manufacturing systems, principles of mechanics, properties of materials and report writing.

Overflow: Electives

9646 Intro to Auto Collision Repair

An introduction to technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

Overflow: Electives

Electives

9647 Intro to Automotive Technology

An introduction to technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

Overflow: Electives

9648 Intro to Log, Mat & Sup Chain

An introduction to manage and coordinate logistical functions in an enterprise and to undertake the responsibilities associated with receiving, storing, shipping, controlling and distributing products and materials and the various systems and record keeping pertaining to these operations. Students will be instructed in the use of storage space, inventory control and shipping and receiving practices; equipment such as forklifts, conveyors, hand trucks, carts and other devices used to transport materials and/or supplies to various destinations; and the various types of packaging techniques necessary for safe transport of goods. Students will learn the many types of documents used in logistics such as purchase orders, invoices, bills of lading, requisitions, quotations, etc. Students will also be instructed in the areas of transportation and traffic which will cover freight rates and tariffs, freight classification rules and freight rate analysis.

Overflow: Electives

9650 Intro to Carpentry

An introduction to technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

Overflow: Electives

9651 Intro to Elec and Power Trans

An introduction to technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

Overflow: Electives

9652 Intro to Fac and Prop Maint

An introduction to technical knowledge and skills in the maintenance and repair of residential, office, apartment buildings and other commercial buildings. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing and record keeping.

Overflow: Electives

Electives

9653 Intro to Plumbing Technology

An introduction to technical knowledge and skills in layout, assembly, installation and repair of pipes, fittings and fixtures for steam, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems according to specifications and plumbing codes. Students learn to study building plans and working drawings; inspect structures to determine routing and installation of pipes; cut openings in walls and floors to accommodate pipes; cut and thread pipe; assemble and install valves and pipe fittings; join pipes; and install and repair plumbing fixtures such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers and water softeners. Instruction also includes the use of manuals, code books, catalogues, hand tools and power equipment.

Overflow: Electives

9654 Intro to Construction Tech

An introduction to knowledge and skills in the construction technology field. Instruction is provided in the basic skills in a variety of areas associated with building construction such as carpentry, masonry, plumbing, heating and electrical. Instruction includes but is not limited to blue print reading; cost estimating; uses of hand and power tools; cutting, fitting, fastening and finishing various materials; and applying technical specifications and knowledge concerning the physical properties of materials.

Overflow: Electives

9655 Intro to Electronics/Auto Sys

An introduction to basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Emphasis is on passive components and solid-state devices; digital circuits; optoelectronic devices; operational amplifiers; audio and RF amplifiers; oscillators; power supplies; and AM, FM and PCM modulators. Knowledge is acquired through theoretical instruction, experimentation and hands-on activities. Instruction will develop basic levels of knowledge, understanding and associated skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations.

Overflow: Electives

9657 Intro to Machine Tool Tech

An introduction to technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, shapers, milling machines, grinders, drills and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate all types of hand and computer controlled machines.

Overflow: Electives

Electives

9658 Intro to Welding Technology

An introduction to technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

Overflow: Electives

9660 Intro to Dental Assisting

An introduction to the dental health team. The practitioner will perform chair-side assisting, related office duties and selected dental office laboratory procedures and dental radiography under the supervision of a licensed dentist. The planned courses should include instruction in universal precautions, OSHA regulations, communications skills, computer literacy, psychology, anatomy and physiology, microbiology and nutrition. Dental Science instruction shall include content in dental materials, dental radiography, oral anatomy, histology, oral embryology, oral pathology and therapeutics. Clinical science should emphasize the principles and application of office management, chair-side assisting, dental emergencies and legal/ethical aspects of dental practice. Clinical practice is an integral part of the program designed to perfect students' competence in performing dental assisting functions.

Overflow: Electives

9661 Intro to Health Info Rec Tech

An introduction to classify medical information and prepare records under the supervision of a medical records administrator. This program includes instruction in medical records science, medical terminology, record classification, user needs, indexing, special records systems, computer operation and management of information systems. Health occupation core instruction includes planned courses in medical terminology, anatomy and physiology, communication skills, ethics and applicable laws and regulations. Clinical education is an integral part of health occupations education.

Overflow: Electives

9662 Intro to Clinical Med Assist

An introduction to assist physicians by performing functions related to both administrative and clinical duties of a medical office. Administrative components of instruction include telephone technique, insurance, accounts, reports, medical records, computerized fiscal management, medical transcription and word processing. The clinical aspects of the program provide instruction in examination room techniques, aseptic practices, infection control, care of equipment and supplies, CPR and first aid, laboratory orientation and the use of biomedical equipment. The curriculum includes planned courses in anatomy and physiology, universal precautions and OSHA regulations, medical terminology, medical law and ethics, psychology, communications, introduction to pharmacology, medical assisting skills and clinical practice.

Overflow: Electives

Electives

9663 Intro to Emergency Med Tech

An introduction to recognize, assess, and manage medical emergencies in pre-hospital settings and to supervise ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.

Overflow: Electives

9664 Intro to Health Related Tech

An introduction to knowledge and skills in the health occupations. Instruction is provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, pharmaceutical and medical instruments and supplies. Instruction includes but is not limited to foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupational skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

Overflow: Electives

9665 Intro to Rehab Aide

An introduction to assist in rehabilitation services under the supervision of physical therapists, occupational therapists, and other therapeutic professionals, and to perform routine functions in support of rehabilitation. Includes instruction in roles and responsibilities of rehabilitation providers, basic function of the human body, disabling conditions, therapeutic skills, client management, and communication skills.

Overflow: Electives

9690 Introduction to Computer Sci

Introduction to Computer Science courses present students with the conceptual underpinnings of computer science through an exploration of human computer interaction, web design, computer programming, data modeling, and robotics. While these courses include programming, the focus is on the computational practices associated with doing computer science, rather than just a narrow focus on coding, syntax, or tools. Computer Science courses teach students the computational practices of algorithm design, problem solving, and programming within a context that is relevant to their lives.

Overflow: Electives

9695 Intro to Tech and Comp App

This course introduces students to basic computer technology and how it is utilized in today's society. Students will review and develop correct keyboarding techniques and gain a basic knowledge of word processing, spreadsheet, database, graphics, and telecommunications applications. Students will also learn common computer terminology, performance and features and various computer operating systems for Apple and PC. Students will also learn the how to navigate through the internet, effective usage of e-mail and electronic communications, computer security and privacy, and various digital lifestyles including digital audio and video.

Overflow: Electives

Electives

9696 Microsoft Applications I

Students will receive an overview of the four main applications within Microsoft Office 2007 or 2010 including features and functions that pertain to the objectives of the corresponding Microsoft curriculum. Students will receive an introductory overview of Microsoft Word, Excel, PowerPoint and Access. Instructors may focus on any of the applications for students to develop mastery of the chosen application. Course should include introduction to technology/computers, keyboarding techniques and students should produce projects to prove mastery of basic Microsoft Office skills. This course also serves as a prerequisite for Advanced Microsoft Applications (MOS Certification).

Overflow: Electives

9697 Microsoft Apps II (MCP Cert)

Students will receive an overview of the four main applications within Microsoft Office 2007 or 2010 including features and functions that pertain to the objectives of the corresponding Microsoft curriculum. Students will receive an advanced overview of Microsoft Word, Excel, PowerPoint and Access. This course is intended to allow students to prepare for certification testing as a Microsoft Office Specialist (MOS) in Word 2007/2010 or Excel 2007/2010. Instructors will need to focus on one of the Microsoft applications in order to prepare students for the MOS certification exam. MOS testing vouchers are available for purchase at www.certipoint.com.

Overflow: Electives

Special Education

9900 Interpersonal Comm Skills - HS

Skills that are necessary to communicate and interact with others. This includes skills required to respond to others, follow directions, indicate preferences, communicate, etc.

Overflow: Special Education > No Credit

9910 Domestic Maintenance - HS

Skills that are necessary to participate in home life in the community. This includes skill areas associated with food preparation, shopping, cleaning, laundry, etc.

Overflow: Special Education > No Credit

9920 Modified Literacy - HS

Modified Literacy courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

Overflow: Special Education > No Credit

Special Education

9930 Modified Math - HS

Modified Math courses reinforce and expand students' foundational mathematic skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

Overflow: Special Education > No Credit

9940 Personal Maintenance - HS

Skills that are necessary to care for oneself, including eating, grooming, dressing, toileting and health care.

Overflow: Special Education > No Credit

9950 Recreation/Leisure - HS

Skills that are used to engage in free time activities for pleasure.

Overflow: Special Education > No Credit

9960 Vocational Skills - HS

Skills that are necessary to secure and maintain a job. This includes skills involved in specific jobs (e.g., office and clerical skills, restaurant and kitchen skills, etc.) as well as work habits and job related behavior.

Overflow: Special Education > No Credit

9970 Functional Academics - HS

Skills, which represent an application of an academic skill (e.g., reading, writing, math) to a real life situation at home, on the job, or in the community. This includes skills such as handling money, telling time, reading sight words, etc.

Overflow: Special Education > No Credit

9980 Transition Skills - HS

The purpose of Transition Skills is to facilitate the student's move from school to post-school activities.

Overflow: Special Education > No Credit

No Credit

0990 English Intervention

English Intervention courses offer students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently.

Overflow: No Credit

2990 Math Intervention

Mathematics Intervention courses offer students the opportunity to focus on their math skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' arithmetic and algebraic skills up to the desired level or to develop strategies to problem solve more efficiently.

Overflow: No Credit

No Credit

9100 Study Skills

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

Overflow: No Credit

9110 Test Preparation

Test Preparation courses prepare students for particular state tests required for graduation. These courses may cover specific content areas (such as citizenship, mathematics, language arts, and so on) according to individual student needs, or they may provide a more general course of study, similar to the Standardized Test Preparation course described above.

Overflow: No Credit

9400 Multi-Discipline Project

Multi-Discipline / Service Learning Project

Overflow: No Credit

9500 Community Service

Community Service courses provide students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

Overflow: No Credit

9510 Individualized Learning Plans

An individualized learning plan is both a document and a process that students use to define their career goals and postsecondary plans in order to inform their decisions about their courses and activities throughout high school.

Overflow: No Credit