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## Progress Monitoring

 End of Year Performance Keystones \& NOCTI

## High School Preliminary Performance

Goal 4: The percentage of students who are proficient on all three state high school assessments (Algebra 1, Literature, and Biology) by the end of their 11th grade year

Goal 5: The percentage of Career and Technical Education (CTE) students who pass an industry standards-based competency assessment by the end of their 12th grade year

## Performance Highlights: High School

Keystone Performance since 2018-19

- In Literature, Proficiency increased (+6.2) and Below Basic decreased (-7.3)
- In Algebra 1, Proficiency decreased ( -6.6 ) and Below Basic increased (+8.3)
- In Biology, Proficiency decreased (-3.6) and Below Basic decreased (-5.1)
- The percentage of students Proficient on all Keystones declined (-7.7)

CTE Student NOCTI Performance since 2021-22

- The percentage of CTE students passing the NOCTI increased (+5.6)

Circumstances for 11th graders in 2022-23

- 11th graders in 2022-23 were in 8th grade in 2019-20, when schools were closed in March due to the pandemic.
- Students took Algebra 1 in 2020-21 during the fully virtual year and were not able to take the end-of-course Keystone until September 2021.
- The biggest declines in proficiency were seen in Learning Network 1 among the criteria-based schools. Proficiency in LN 4, 13 and Innovation remained low.


## SY 2022-23 Preliminary Performance Highlights*

| PSSA Assessment | Proficiency Results | Below Basic Results |
| :--- | :---: | :--- |
| Grade 3 Reading | +3.2 percentage points | -8 percentage points |
| Grade 3 - 8 Reading | -0.3 percentage points | -2.8 percentage points |
| Grade 3 Math | +5.2 percentage points | -6.8 percentage points |
| Grade 3 - 8 Math | +3.6 percentage points | -4.4 percentage points |
| Grade 4 and 8 Science | +3.4 percentage points | -2.6 percentage points |
| Best by 11th grade Keystones^ | Proficiency Results | Below Basic Results |
| Literature | +6.2 percentage points | -7.3 percentage points |
| Algebra 1 | $\mathbf{- 6 . 6}$ percentage points | +8.3 percentage points |
| Biology | $\mathbf{- 3 . 6}$ percentage points | $\mathbf{- 5 . 1}$ percentage points |




Beginning in 2021, we made the following changes to High School and Career and Technical Education:

Expanded 9th Grade Success Networks
CTE Audit and Strategy Development
Expanded and enhanced instruction approaches

Expanded and enhanced school-wide climate approaches

Re-envisioned professional development for teachers and leaders

Established Universal Screeners and provided more space and time for collaboration and using data

Goal 4:
Keystones, Best by 11 th Grade

Students take Keystone courses and exams at different points in high school; their performance is solidified in 11th grade, when their "best" results are tallied

Students typically take Algebra in 9th grade, and Literature \& Biology in 10th grade. However, students may take courses earlier or later, and can retake the Keystones when they choose.

Let's look at three students who were in 11th grade in 2022-23:

|  | $\bigcirc$ St | ent A |  | ent B | \% St | ent C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Courses Taken | Keystones Taken | Courses Taken | Keystones Taken | Courses Taken | Keystones Taken |
| 2019-20 (8th grade) | No PSSAs or Keystones (Math, ELA, \& Science) due to Covid-19 |  |  |  |  |  |
| 2020-21 (9th grade) | Algebra | Postponed until September 2021 | Algebra \& Biology | Postponed until September 2021 | Algebra | Postponed until September 2021 |
| 2021-22 (10th grade) | Literature \& Biology | Algebra Literature Biology | Literature | Algebra <br> Biology <br> Literature | Biology | Algebra Biology |
| 2022-23 (11th grade) | - | Biology (Retake) | - | Biology (Retake) | Literature | Algebra (Retake) Literature |

## Goal 4

Keystone Literature Performance by 11th Grade Cohort

The percentage of students who scored Proficient or Advanced on the Keystone Literature by 11th grade increased from 47.8\% in 2018-19 to $54.0 \%$ in 2022-23 (+6.2 percentage points).

Keystone Literature Proficiency Rate (Best by 11th)


[^0]
## Goal 4

Keystone Literature
Performance by 11th Grade Cohort

The percentage of 11th grade students who scored Below Basic on the Keystone Literature by 11th grade decreased from 25.6\% in 2018-19 to 18.3\% in 2022-23 (-7.3 percentage points).

Keystone Literature Below Basic Rate (Best by 11th)


[^1]
## Goal 4

Keystone Algebra 1
Performance by 11th Grade Cohort

The percentage of 11th grade students who scored Proficient or Advanced on the Keystone Algebra by 11th grade declined from $36.6 \%$ in 2018-19 to $30.0 \%$ in 2022-23 (-6.6 percentage points).

Keystone Algebra 1 Proficiency Rate (Best by 11th)


[^2]
## Goal 4

Keystone Algebra 1

## Performance by 11th Grade Cohort

The percentage of 11th grade students who scored Below Basic on the Keystone Algebra by 11th grade increased from $25.7 \%$ in 2018-19 to $34.0 \%$ in 2022-23 (+8.3 percentage points).

Keystone Algebra 1 Below Basic Rate (Best by 11th)


[^3]
## Goal 4

Keystone Biology Performance by 11th Grade Cohort

The percentage of 11th grade students who scored Proficient or Advanced on the Keystone Biology by 11th grade declined from 35.1\% in 2018-19 to $31.5 \%$ in 2022-23 ( -3.6 percentage points).

Keystone Biology Proficiency Rate (Best by 11th)


The " $n$ " count for each year indicates how many total students took the Keystone Biology exam.

## Goal 4

Keystone Biology Performance by 11th Grade Cohort

The percentage of 11th grade students who scored Below Basic on the Keystone Biology by 11th grade decreased from 42.9\% in 2018-19 to $37.8 \%$ in 2022-23 (-5.1 percentage points).

Keystone Biology Below Basic Rate (Best by 11th)


[^4]
## Goal 4

Keystone - All Subjects
Best by 11th

The percentage of 11th grade students who achieved proficiency on all three Keystone exams (Literature, Algebra 1, and Biology) by 11th grade decreased from $26.1 \%$ in 2018-19 to $18.5 \%$ in 2022-23 (-7.7 percentage points).

Keystone Proficiency - All Three Keystones (Best by 11th)


The " $n$ " count for each year indicates how many total students took all three Keystone exams.

Changes in Keystone performance from 2018－19 to 2022－23 by Student Group

|  | Liefature |  | Alsebra |  | Biology |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Protadu | Below Bsic | Profidu | Below Bsic | Potitad | Beow Basic |
| Plackatitian Anerican | $\uparrow$ | $\downarrow$ | 】 | $\uparrow$ | $\downarrow$ | 】 |
| Hispaniclataino | 1 | $\downarrow$ | $\downarrow$ | 1 | － | $\downarrow$ |
| wile | 1 | 1 | 】 | 1 | 】 | 】 |
| Asian | 1 | 1 | $\downarrow$ | 1 | 】 | เ |
| Mulitacial | 1 | $\downarrow$ | $\downarrow$ | 1 | $\downarrow$ | $\downarrow$ |
| Engist Lemenes | 1 | $\downarrow$ | 1 | 1 | 1 | $\downarrow$ |
| Non Englst Leanm | 1 | । | 】 | 1 | I | 1 |
| Seceile Elucation | $\downarrow$ | $\downarrow$ | － | 1 | $\downarrow$ | 1 |
| Nor．Sereail Eluacaion | 1 | $\downarrow$ | $\downarrow$ | $\uparrow$ | $\downarrow$ | $\downarrow$ |



## Particular challenges in Algebra for high schools students

- Math proficiency is based on learning a series of skills at each grade that build on each other but are unique.
- Literature proficiency relies on a deepening of the same skills (spiraling) that were already introduced in earlier grades.
- Biology performance is influenced by literacy, and to a certain extent by math skills.


## Goal 5: NOCTI

## Goal 5

NOCTI
Grade 12

The percentage of 12th Grade on-level CTE students who scored Competent or Advanced on the NOCTI increased, ( +5.6 percentage points), going from $43.4 \%$ in 2021-22 to $49.0 \%$ in 2022-23.

NOCTI Competent/Advanced Rate (12th Grade CTE Students)


## Goal 5

NOCTI
Grade 12

Business and Finance ( $\mathrm{n}=\mathbf{1 3 0}$ )



The percentage of 12th grade CTE students who participated and the percentage who scored Competent or Advanced by CTE Cluster


Health ( $\mathrm{n}=187$ )


Construction \& Manufacturing ( $\mathrm{n}=209$ )


Information Technology ( $\mathrm{n}=67$ )


Natural Sciences \& Biotechnology ( $\mathrm{n}=78$ )


Notes: 2019-20 and 2020-21 are omitted from the charts; ( $\mathrm{n}=$ ) indicates total number of eligible CTE students in each cluster in 2022-23.

Goal 5
NOCTI
Grade 12

| Student Group | \# Eligible CTE <br> Students | \% Participating | \% Competent <br> or Advanced |
| :---: | :---: | :---: | :---: |
| White | 123 | $88.6 \%$ | $77.2 \%$ |
| Asian | 40 | $95.0 \%$ | $60.0 \%$ |
| Multi-Racial/ <br> Other | 40 | $87.5 \%$ | $60.0 \%$ |
| Black/African <br> American | 616 | $84.7 \%$ | $45.3 \%$ |
| Hispanic/ <br> Latino | 324 | $79.3 \%$ | $42.6 \%$ |
| Male | 575 | $84.0 \%$ | $49.2 \%$ |
| Female | 563 | $84.0 \%$ | $48.8 \%$ |


| Student Group | \# Eligible CTE <br> Students | \% <br> Participating | \% Competent <br> or Advanced |
| :---: | :---: | :---: | :---: |
| Does not have <br> IEP | 1,061 | $84.8 \%$ | $50.3 \%$ |
| Has IEP | 82 | $74.4 \%$ | $31.7 \%$ |
| Former ELs | 73 | $91.3 \%$ | $67.1 \%$ |
| Never ELs | 934 | $83.7 \%$ | $49.7 \%$ |
| Current ELs | 136 | $82.4 \%$ | $34.6 \%$ |



## Beginning in 2021, we focused here:

## Expanded 9th Grade Success Networks

CTE Audit and Strategy Development
Expanded and enhanced instruction approaches

Expanded and enhanced school-wide climate approaches

Re-envisioned professional development for teachers and leaders

Established Universal Screeners and provided more space and time for collaboration and using data

## From 2023-24 forward, we will expand our efforts:

Increase number of schools participating in the Success Network each year through 2027-28

Act on CTE audit results from 5 CTE Comprehensive schools; Finalize audit for remaining CTE programs

Establish clear coherence between skills at different grade levels and how they build upon each other; Create math pathways and expand advanced course offerings to lead into 8th grade Algebra

Audit and Improve School Climate Programs; Expand Safe Paths Program; Increase School Safety Officers

Provide wraparound services to teachers with emergency certifications; Continue right level of coaching and supports for all teachers

Supporting schools with implementing Professional Learning Communities and school-wide problem solving meetings; Continue monitoring Universal Screener data


## Accelerate Philly: Actions 2023-24

## Recruit, onboard, and support teachers and principals

- 3.9 Provide more support to teachers in the areas of content knowledge, student engagement, and instructional practices
- 4.3 Create recommendations to address long-term District staffing needs
- 4.5 Recruit more Black and Latino male teachers and principals
- 4.7 Expand "Grow-Your-Own" programs for aspiring teachers and leaders
- 5.3 Streamline onboarding process to improve hiring timelines


## High Quality Core Instructional Resources

- 3.2 Initial implementation of new core instructional resources for math


## Improve School Safety \& Climate

- 1.5 Expand Safe Path Program to 18 high schools
- 1.7 Identify, audit, and improve school climate programs


## Optimizing Learning Opportunities

- 3.10 Establish baseline standards for which courses, programs, and academy models will be offered in all schools
- 3.13 Expand 9th Grade On-Track Success Networks



[^0]:    The " $n$ " count for each year indicates how many total students took the Keystone Literature exam.

[^1]:    The " $n$ " count for each year indicates how many total students took the Keystone Literature exam.

[^2]:    The " $n$ " count for each year indicates how many total students took the Keystone Algebra 1 exam

[^3]:    The " $n$ " count for each year indicates how many total students took the Keystone Algebra 1 exam.

[^4]:    The "n" count for each year indicates how many total students took the Keystone Biology exam.

