

Grade: 2nd **Subject:** Science

Goes with Pages: HMH Science Dimensions 2nd Grade workbook, 107 - 182

Topic: Environments for Living Things

What Your Student is Learning:

- Plants depend on water and light to grow.
- Plants depend on animals for pollination or to move their seeds around.
- There are many different kinds of things in any area, and they exist in different places on land and in water.

Background and Context:

This packet should be completed in about 12 30-minute lessons.

[Click here to access the Science Learning Packet](#)

Ways to support your student:

As your child goes through this unit, work with them to plan and conduct investigations. Below are three that you can do with your child.

To start the unit, work with them to investigate what a plant needs to live and grow. You can use multiples of the same plant and test different scenarios, such as the following:

- Place one in a dark room, regularly water
- Place one in direct sunlight, regularly water
- Place one in direct sunlight, no water

Lesson 1:

Materials: 2 large clear plastic containers, measuring cup, water, red food coloring, 2 celery stalks with leaves, red crayons

Directions: Trim the bottom of the celery stalks with scissors. Have students measure the same amount of water into each cup. Place a few drops of food coloring into one of the cups and stir. Add one celery stalk into each cup. Wait at least 16 hours and then observe what happened to the celery stalks.

Lesson 2:

Materials: 3 kinds of seeds, drinking straws, toothpicks, craft sticks, masking tape, string, etc.

Directions: Allow students to use various materials to build a model of a tool with a structure that supports its ability to pick up and move seeds similar to how animals move seeds in nature.

Additional resource for parents:

Please see the lesson and unit review answer key pages at the end of this packet.

Online Resources for Students:

https://pbskids.org/plumlanding/games/ecosystem/jungle_jeopardy.html
https://pbskids.org/plumlanding/games/explorer/explore_the_outback.html
https://pbskids.org/plumlanding/games/ecosystem/make_a_mangrove.html
<https://pbskids.org/sid/games/vegetable-planting>

Online Resources for Parents:

<https://www.pbs.org/parents/learn-grow/age-8/science/plants>
<https://www.pbs.org/parents/learn-grow/age-8/science/animals>