

Pre-K 2020 Unit #7: Science - Nature All Around Us (PK)

Content Area: **Science**
Course(s): **Pre K**
Time Period: **Marking Period 4**
Length: **4 Weeks**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

SCI.PK.5.1.3	Use basic science terms (e.g., observe, predict, experiment) and topic-related science vocabulary (e.g., words related to living things [fur, fins, feathers, beak, bark, trunk, stem]; weather terms [breezy, mild, cloudy, hurricane, shower, temperature]; vocabulary related to simple machines [wheel, pulley, lever, screw, inclined plane]; words for states of matter [solid, liquid]; names of basic tools [hammer, screwdriver, awl, binoculars, stethoscope, magnifier]).
SCI.PK.5.3.1	Investigate and compare the basic physical characteristics of plants, humans, and other animals (e.g., observing and discussing leaves, stems, roots, body parts; observing and drawing different insects; sorting leaves by shape; comparing animals with fur to those with feathers).
SCI.PK.5.3.2	Observe similarities and differences in the needs of living things, and differences between living and nonliving things (e.g., observing and discussing similarities between animal babies and their parents; discussing the differences between a living thing, such as a hermit crab, and a nonliving thing, such as a shell).
SCI.PK.5.3.3	Observe and describe how natural habitats provide for the basic needs of plants and animals with respect to shelter, food, water, air, and light (e.g., digging outside in the soil to investigate the kinds of animal life that live in and around the ground or replicating a natural habitat in a classroom terrarium).
SCI.PK.5.3.4	Observe and record change over time and cycles of change that affect living things (e.g., monitoring the life cycle of a plant, using children's baby photographs to discuss human change and growth, using unit blocks to record the height of classroom plants).
SCI.PK.5.4.2	Explore the effects of sunlight on living and nonliving things (e.g., growing plants with and without sunlight, investigating shadows that occur when the sun's light is blocked by objects).
SCI.PK.5.4.3	Observe and record weather (e.g., chart temperatures throughout the seasons or represent levels of wind by waving scarves outdoors).
SCI.PK.5.5.1	Identify and use basic tools and technology to extend exploration in conjunction with science investigations (e.g., writing, drawing, and painting utensils, scissors, staplers, magnifiers, balance scales, ramps, pulleys, hammers, screwdrivers, sieves, tubing, binoculars, whisks, measuring cups, appropriate computer software and website information, video and audio recordings, digital cameras, tape recorders).

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How does the sun help us?

- What are the parts of a plant?
- What does hibernate mean?
- What is wind?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Hibernate is when animals sleep through the winter
- The parts of a plant are stem, leaves, seeds, petals and roots
- The sun helps us by keeping us warm and helping things grow
- The wind is air that blows outside

Content

Students will be able to:

- Understand the plant life cycle
- Make scientific predictions
- Observe the sky
- Investigate energy
- Investigate the environment

Vocabulary

- leaves
- roots
- seedling
- stem
- soil
- shadow
- sun
- wind
- energy
- hibernate

Resources

Please add your Resources by clicking on the Lists tab above.

- Growing Vegetable Soup
- Science Poster 13
- Science Poster 14

- Weather
- What Makes the Seasons?
- What the Moon Sees
- What the Sun Sees