

Unit 4b-Plant & Animal Needs

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

Essential Questions

- What are the basic needs of plants and animals?

Cross Curricular Integration

Integration Area: Language Arts

RI.K.2 With prompting and support, identify the main topic and retell key details of a text.

Activity:

Students will draw and label what a plant needs to grow.

Technology Integration

8.1.2.E.1 Use digital tools and online resources to explore a problem or issue.

Activity:

Students will watch and interact with Mystery Science, “Animal Needs: Eat like and animal” video.

Science and Engineering Practices

Planning and Carrying Out Investigations:

- With guidance, plan and conduct an investigation in collaboration with peers (for K)
- Make observations (firsthand or from media) and/or measurements to collect data that can be used to make comparisons.

- Make predictions based on prior experiences.

Enduring Understandings

Next Generation Standards

Organization for Matter and Energy Flow In Organisms

K-LS1.C All animals need food in order to live and grow. They obtain their food from plants or from other animals. Plants need water and light to live and grow.

Student Learning Standards

Mathematics

K-MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.

Focus Areas

Knowledge

- All animals need food in order to live and grow.
- They obtain their food from plants or other animals.
- Different kinds of food are needed by different types of animals.
- Plants need light and water to live and grow.
- All living things need water.

Skills

- Differentiate between the needs of animals and plants.
- Recognize the basic needs of organisms.
- Describe patterns of what plants and animals (including humans) need to survive.

Understandings

- Use observations to describe patterns of what plants and animals (including humans) need to survive.

Resources

Primary Resources

- Mystery Science
- BrainPop, Jr
- NJCTL Unit 3 Plants and Animals

Core

- Lima Bean Lab
- Animal needs: Eat Like an Animal "Why do Woodpeckers Peck Wood?"
- Parts of a Plant Activity
- Plant Needs Activity
- Plant Life Cycle Activity
- BrainPop, Jr. Parts of a Plant
- BrainPop, Jr. Plant Life Cycle
- What Animals Need Pt 1&2
- Transfer of Energy - Owl Activity

Supplemental

- Birdseed Lab
- Sweet Potato Lab
- Carrot top Lab
- Searching for Light Lab
- Leaves & Buds Lab
- Celery Lab
- Water & Leaves Lab
- Sunlight Lab
- Exploring Plants and Animals Activity
- Animals Babies Needs Activity