

# Unit 4b-Plant & Animal Needs

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

## Essential Questions

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- What are the basic needs of plants and animals?

## Cross Curricular Integration

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Integration Area: Language Arts

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

Activity:

After reading F and P A Fruit is A Suitcase For Seeds, students will draw and label what a plant needs to grow.

## CSDT Technology Integration

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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

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### 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**

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### **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**

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### **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