

Lesson Title: How do Plants and Animals Survive and Grow in the Environment?

Standards:

1-LS1-1 Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs

1-LS3-1 Make observations to construct an evidence based account that young plants and animals are like, but not exactly like, their parents.

Student Learning Outcomes:

Student learning outcomes for part 1: Classroom Visit

After participating in the first modeling activity, students will be able to accurately:

- 1) List several external features that animals have that helps them grow and survive
- 2) Understand the differences and be able to list animals that are herbivores, carnivores, and omnivores
- 3) Understand the differences among mammal, raptor, and reptile and list some animals from each group
- 4) Understand the difference between prey and predator

Lesson Summary: Students will be introduced to several local animals that live in this area. They will learn about what animals eat, where they live and what outside features help them survive. They will be introduced to several examples of reptiles, raptors and mammals and be able to understand the differences of each type of animal through descriptions and story.

Student learning outcomes for part 2: Whitfield Visit

After participating in the Whitfield visit, students will be able to accurately:

- 1) Describe what plants they see through drawing and be able to ask questions about things they are curious about.
- 2) Look for signs of an animal habitat through observation and documentation.
- 3) Compare and contrast the parents and the offspring: How are they similar, how are they different, what behavioral and physical examples do we have to support these claims.
- 4) List the five senses through drawing and writing and explain verbally how senses help describe a place.
- 5) List and describe the value of the each external parts of a plant and animal that help it grow and survive. Example: fur, claws, wings, feathers, eye location, size, and adaptations on the worksheet.

Lesson Summary: Students will be looking at how certain adaptations of plants and animals help them grow and survive in the environment in which they live. They will look at these adaptations by making comparisons and through a variety of observation, drawing and writing techniques. Students will make several observations of plants and animals to help form connections to understand relationships of characteristics for growth and survival over time.

Assessment

1. Student completed the worksheet accurately. 0-5
2. Student listed all five of their senses through drawing and writing. 0-5
3. Student was actively engaged by following instructions, working together as a team and individually, and by asking questions. 0-5
4. Student labeled nature journaling activity accurately. 0-5