

LESSON: Plant & Animal Habitat Slide Show

GRADE: K

OBJECTIVES:

Earth and Human Activity-

- **K-ESS3-1.** Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.

Crosscutting Concepts

Influence of Engineering, Technology, and Science on Society and the Natural World

- People depend on various technologies in their lives; human life would be very different without technology. (K-ESS3-2)

Science as Inquiry-

S.K-2.SI.6 Communicate investigations and explanations.

- Students should begin to develop the abilities to communicate, critique, and analyze their work and the work of other students.
- Students should communicate orally, through writing or through drawings.

MATERIALS:

- Computers and printers
- Tutorials on PowerPoint:
 - PowerPoint in the Classroom- www.actden.com/pp/
 - Education World- http://www.educationworld.com/a_tech/tech/tech013.shtml/
 - Apple Tutorials- <http://www.apple.com/iwork/tutorials/> - keynote
- *Alternative to PowerPoint*—slides made by parents from student photos; slide projector
- Optional-books about animals and plants

PRESENTATION:

Explain that our class will be making a power point (or slide show) of animals and plants in nature. This PowerPoint or slideshow will focus on the needs of plants and animals (including humans) and how those needs are met.

DIRECTIONS:

1. Show the children pictures of animals and plants which are live in your area.
2. Make a list of requirements for survival for both plants and animals.
3. Go outside, if possible, and look for animals and plants. Take note: What is present which makes it possible for this plant or animal to survive? Is there water, food, air, shelter? What is a habitat? Do plants and animals live in the same area as the things they need for survival?
4. Read books about some of the animals and plants.
5. In computer lab, use tutorial or your own step-by-step instructions on power point to get the students started. If possible, have helping parents or computer lab teacher assist with students.
6. Create a slide show or PowerPoint of animals and plants in their environment. Examples might include deer in the woods, humans in a home, sunflowers in a sunny field, birds in a tree, etc.
7. As a class or group, discuss the similarities and differences between the needs of plants and animals. Discuss the difference between these and the needs of humans.
8. Then discuss- "Do humans use technology and engineering differently or the same as animals and plants?"
 - Technology means using your knowledge of science to do things and make things. Making tools, using tools are examples. Do animals do this?
 - Engineering means to use knowledge to design, build, maintain, and improve structures like houses, bridges, cars, and to improve them. Some animals are famous for their engineering abilities.
 - Sometimes, we find solutions to our problems by mimicking plants and animals. Spiders make very, very strong thread when they weave their webs. Some plants make very useful chemicals.
9. Share with parents, other classes or perhaps residents of nearby retirement home.

TIME:**90-120 min**

PROCESSING THROUGH THE SIX PILLARS

WHAT?

- Why did we make a PowerPoint (slide show)?
- What were the steps we took to make the PowerPoint (slide show)?
- What did you like best about making the PowerPoint (slide show)?
- What did you learn about the differences and similarities between plants, animals and humans?

SO WHAT?

- How did you work together to finish the PowerPoint (slide show)?
- How did you show Respect during this project?
- Has your respect for animals and plants change since you completed this activity?

WHAT NOW?

- What are some ways we can share our PowerPoint (slide show)?
- What are some other ways you could use a PowerPoint (slide show)?