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November 28, 2010

Science

5 E Lesson

Standard:

(Science) 5.4.4 Explain that in any particular environment, some kinds of plants and animals survive well, some do not survive as well, and some cannot survive at all.

Skill

Explain

Knowledge

Environments and what plants/animals survive

Objective:

- The students will explain environments animals live in and why they live there with a paragraph description.

Assessment:

- The students will write a paragraph why animals could not live in a certain environment. I will look for the student's to give at least three reasons why these animals could not survive in another climate.

Advanced Preparation by Teacher:

- Gather magazines with animals and animals in their habitats
- Prepare the materials like scissors, glue, and construction paper

Procedure: Introduction/Motivation: Engage

Tell the students a story about animals and their habitats and what they eat. Tell a story about your experience with koola bears in Australia. Explain how the kangaroo lives in the wild and the Koola bear lives in trees. The koola bear is fluffy and you can hold it. Show the students pictures of the Koola bear's and the Kangaroos habitat.

Step-by-Step Plan: Explore/Explain

- Give the students magazines with animal pictures and animals in their habitats. The students will cut out the pictures of that animal and that habitat and what they eat.
- The students will take their pictures and put them on the construction paper with where they live and what they eat.
- The students will present their habitat to the class.
- **Explain:** Have the students come to the meeting place. Talk about the different habitats and why a penguin could not survive where a cheetah lives. Ask the students the differences between the two. Why could a cheetah not survive in the North Pole? Not warm enough and the food they eat is not there.
- Ask a student what their favorite animal is and what their habitat is? What is important in this animal's habitat? What does climate mean? Why is the climate important in animals like a dolphin or a polar bear important?
- Why is climate important for us as humans? Why as humans can we not live in the South Pole or in Antarctica? Or in really rural areas with no resources?
- **Extend:** Have the students write about an animal and why it would not survive. They should choose two animals with opposite habitats and explain why they cannot survive in the opposite habitat. Explain to the students we will be taking a field trip to the zoo at the end of the week.
- **Evaluate:** Have the students turn in their writings. Check for understanding of habitats and for good sentences. Check for three details as to why these animals could not live in another climate.

Closure: Review with the students what we have learned today about habitats and what animals live in certain habitats and how they differ.

Adaptation/Enrichment:

- **Francis: ADHD** Have her pass out the magazines and materials the students need to make their habitat posters.
- **Bill: Hearing Impairment:** Have written instructions for this student so he may follow along.
- **Chelsea: Enrichment** Have her complete a Venn diagram comparing two animals. Also, have her write five details about why a cheetah cannot live where a polar bear lives.

Self Reflection:

- Did the students gain knowledge from this activity?
- Was the activity long enough?