

Title: Bird Feeding and Migration Observation

Subject: Science/ Mathematics

Grade Level: 2nd – 7th

Time:

15 minutes per day for the length of the adventure (though can be done in less)

Objective:

Students will better understand the concept of bird migration through building a bird house to observe and record data within a given experiment.

Materials:

Pop bottle
Twigs
Bird Seed
Scissors
String
Pie Tin

Method:

- Your class will build a bird feeder that can be observed from the classroom at regular intervals. Punch holes on either side of a plastic pop bottle, stick a twig all the way through with its ends sticking out for perches and poking more holes nearby for the birds to pull the seeds out. Fill the bird feeder with bird seed. Then hang the bottle by tying a string around its neck. Put the pie tin around the top of the pop bottle to keep squirrels or other animals out of the bird feeder.
- Once the bird feeder has been hung, begin talking with students about migration. Ask students to list birds that live in your area. Research where these birds migrate to and when.
- Use the following chart to record your observations, make predictions, and expand on students' previous knowledge of migration.

Common Core State Anchor Standards:

Key Ideas and Details

1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Craft and Structure

4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

Integration of Knowledge and Ideas

7. Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.

9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Range of Reading and Level of Text Complexity

10. Read and comprehend complex literary and informational texts independently and proficiently.

Lesson Extensions:

Try switching the bird seed to see if it attracts different species of birds. Have students build a bird feeder that they can observe from home. Partner with a school found at the end of a bird's migration and find out from their students what the bird's habits are during the time that they are away from your area.

Internet Resources:

National Wildlife Web Site for Bird Migration

<http://www.nwf.org/backyardwildlifehabitat/flyright.cfm>

Why Files look at Bird Migration

http://whyfiles.org/006migration/bird_strategy.html

Bird Activities

<http://www.inhs.uiuc.edu/chf/pub/virtualbird/educational.html>

