

Producers, Consumers and Decomposers: Food Chain & Ecosystem (3-4)

In this lesson we discuss habitats but focus on the energy cycle. Students see real and model skulls to learn how scientists can tell what type of consumer an animal is by its teeth or beak. We look at scat and will dissect an owl pellet in a group to learn some of the ways scientists determine the animals in an ecosystem. They will look at a variety of decomposers. **Materials Fee: \$1.50 /student** (~90 min)

The Eyes Have It: Light & Lenses (4)

Students learn about light and lenses and how both relate to how we see. A cow's eye is dissected and shown to students so they can see how a lens works in our eyes. Students love this! **Materials Fee: \$1.25 /student** (~90 min)



Scheduling Notes:

You may schedule 2-3 lessons per day and you may have up to 40 students per session.

Materials Fee covers consumables, preparation, wear & tear, and care, feeding & transport of animals.

For more information or to schedule a lesson, contact:

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Who is This Beaver? Adaptations (4)

Children discover how animals are adapted to survive by learning about beaver adaptations as a child is "changed" into a beaver one adaptation at a time. Students will also see live and preserved animals to learn about a variety of adaptations.



Materials Fee: \$1.25 /student (~90 min)

WHOO Are You & What Did you Eat?

Food Chains (4)



Students learn about owls and their place in the food chain. They see a real owl skull, talons and feathers; then, they dissect owl pellets to discover what the owl ate. The students glue the bones onto a skeleton chart to take home. **Materials Fee: \$2.00 /student** (~90 min)

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Nature in a Nutshell

IN-SCHOOL SCIENCE FIELD TRIPS

2009-2010 SCHOOL YEAR LESSONS & PRICING

Lessons: \$135.00 for the first lesson

\$100.00 for each additional lesson

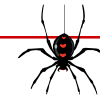
Materials Fee: \$1.00 - \$2.00 per student.

Average cost is \$4.00 - \$5.50 per student

New for 2009-2010:

Creature Features (1)

Children learn about characteristics of insects, mammals, reptiles, birds, and spiders, by seeing, and sometimes touching, live animals and mounted animals. In addition children see a variety of eggs, skins and exoskeletons. Song, puppets and story enhance the lesson. **Materials Fee: \$1.50 /student** (~90 min)



Matter Up, Down, & All Around (2)

Students learn about the states of matter and how matter can change through modeling, experiences, experiments and demonstrations including some exciting demonstrations with dry ice! **Materials Fee: \$1.50 /student** (~90 min)



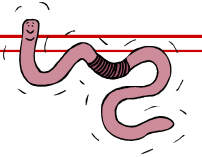
Hot, Hot, Hot!! (Heat) (3)

Children review matter and learn how heat energy can cause matter to change states. They also learn through experiments and demonstrations the sources of heat and conduction. Children feel like "real" scientists in this lesson. **Materials Fee: \$1.50 /student** (~90 min)



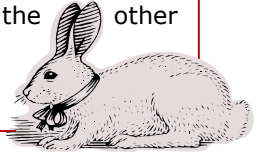
Sun to Soil (3-4)

Students learn how plants harness the energy from the sun and convert it to sugar which forms the basis of the food chain. Children make a chlorophyll print to take home. They study decomposition, worms and vermiculture. **Materials Fee: \$1.50 /student** (~90 min)



Play with Me (Pre-K-K)

A story, told with puppets, which teaches children about being respectful to animals. Children see, touch and learn about three different real, live animals. This is an excellent lesson for Pre-K or beginning of the year kindergarten students, as it is not as long as the other lessons. **Materials Fee: \$1.00 /student** (~60 min)



May the Force Be with You: Pushes & Pulls (K)

Students learn about pushes and pulls (force), gravity and friction, with lots of fun, active, hands-on activities! *A large room is needed for this lesson.* **Materials Fee: \$1.50 /student** (~90 min)



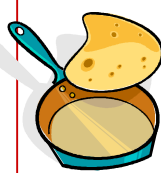


Studying Rocks with the Five Senses (K)

Children learn about rocks by using all their five senses, including taste!

They examine and sort rocks, make soil from rocks, and see real fossils. **Materials**

Fee: \$1.25 /student (~90 min)



Pancakes, Pancakes (K-2)

The Eric Carle story *Pancakes, Pancakes* is used to teach students the source of common foods. Children will grind wheat into flour, and make and eat pancakes. They make butter and see a solid form from a liquid. They also learn about the life cycle of chickens and meet and pet live chickens.

Materials Fee: \$1.50 /student (~90 min)

The Three Sister Garden (1-2)

Children learn how and what the Native Americans planted and why they planted the "Three Sisters." Children learn about companion planting, food origins, plant parts and the life cycle of plants. Each child plants a "Three Sister" garden to take home.

Materials Fee: \$1.50 /student (~90 min)



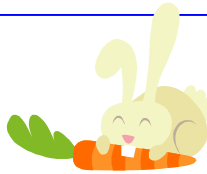
Papa, Will You Get the Moon For Me? (2)

Through the Eric Carle story and a variety of hands-on activities, children learn about the phases of the moon and the earth/moon/sun cycles. Students make earth/moon/sun necklaces to take home. **Materials Fee: \$1.50 /student** (~80 min)

Peter Rabbit (K-1)

Students hear the story of Peter Rabbit told with props; meet and pet a real rabbit; learn about a variety of plants; dissect a seed; compare seeds; learn about the parts of plants we eat; and plant seeds in pots to take home.

Materials Fee: \$1.50 /student (~90 min)



Birds & Eggs (K-2)

Specifically modified for each grade level. Children learn about bird characteristics, their life cycles, and how birds develop in the egg.

They see and touch live birds and many real bird eggs, nests and feathers, then make a chick in an egg to take home. **Materials Fee: \$1.50 /student** (~90 min)



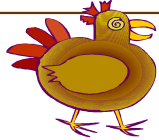
Meta-, Meta-, Metamorphosis (2)

Through story, chants and observation of real animals, students learn about the life cycles of insects and amphibians and compare them to reptiles and birds. Students love learning the difference between amphibians and reptiles by touching a live salamander and snake. **Materials Fee: \$1.50 /student** (~90 min)



Little Red Hen (K-1)

One of my most requested lessons! Children hear the story of The Little Red Hen; learn about wheat; grind wheat into flour; make and eat bread; meet real live chickens; and do a little chicken dancing! **Materials Fee: \$1.50 /student** (~90 min)



Plant Parts Salad (1)

Students learn the parts of plants by making and eating a salad with the six major plant parts. A child is "changed" into a plant part by part as the reason for each part is demonstrated. **Materials Fee: \$1.50 /student** (~90 min)



Forces & Motion (2)

Students learn that pushes and pulls are forces. Students conduct experiments to see how gravity, friction and air affect the motion of an object. Lots of active fun and discovery. *A large room needed for this lesson.*

Materials Fee: \$1.50 /student (~90 min)



The Sunflower House (K-2)

Students hear the story The Sunflower House by Eve Bunting and plant a sunflower to take home. They also dissect a seed; observe and compare different seeds; set up an experiment for their classroom with seeds; and learn about the life cycle and parts of plants. **Materials Fee: \$1.50 /student** (~90 min)

Beetles, Butterflies & Bees, Oh My! (1)

Students learn the characteristics of insects. A child is dressed up as an insect and each child makes a model insect to take home. The children see and touch lots of real insects! **Materials Fee: \$1.50 /student** (~75 min)

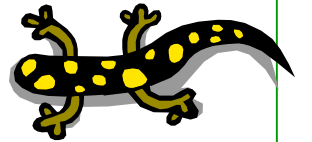


Flower Power: The Reason for a Flower (2)

Students dissect a flower to learn about its parts and the life cycle of plants; make a model of a plant to take home; and dissect and compare seeds and fruits of a variety of plants. **Materials Fee: \$1.50 /student** (~90 min)

The Salamander Room (3)

This lesson is a good introduction to habitats. Students see and touch a salamander, hear the story The Salamander Room and discuss it. Students will learn the components of a habitat and play the "Habitat Game." They will see and touch various native animals and discuss their habitat needs and their role in an ecosystem. Students in groups will open up an owl pellet and see the bones of animals to learn one way scientists can determine what animals live in an ecosystem. **Materials Fee: \$1.50 /student** (~90 min)



Rocks & Minerals (3)

Students look at a variety of minerals, discuss how rocks are made of minerals and that minerals can be in crystal form. They sort rocks and do some simple tests on them; model the rock cycle; look at real fossils; and see the different ways fossils were formed. Students simulate weathering to see how a component of soil is formed. **Materials Fee: \$1.50 /student** (~90 min)

