



Frisch's Outreach: Taste and Smell Adventures Extensions

At a glance

This lesson allows students to explore their senses of smell and taste and the senses of smell and taste in animals.

Goal

This lesson is designed to offer students time to explore their sense of smell and taste while helping them understand how and why animals use these same senses for survival.

Objectives

1. Students will be able to name the sense of smell and taste and the body parts that help them use those senses.
2. Students will understand that these senses aid both people and animals in survival.
3. Students will develop a respect for animals and the role they play in the natural world.

Theme

People use their sense of taste and smell in many different ways to help them survive in the world around them.

Sub-themes

1. People rely on their nose and tongue to use their sense of smell and taste. Sometimes one of those senses may be more pronounced than the other.
2. Animal noses and tongues are very different but those adaptations aid them in survival.
3. Animals may have very different body parts to help them use their sense of smell and taste.

Academic standards

Ohio Science Academic Content Standards	<p><i>Early Childhood Standards (ages4-5)</i> Scientific Inquiry: 1,2,5 Scientific Ways of Knowing: 1,3.</p> <p><i>Kindergarten Standards</i> Scientific Inquiry: 1,2,4,10 Scientific Ways of Knowing: 1,2,3</p>
Kentucky Core Content— Science	<p><i>Grades Primary-4</i> The Characteristics of an Organism: SC-E-3.1.1</p>

Vocabulary

antenna(n)-one pair of slender movable segmented organs on the head of an insect

nose(n)-the part of the face that bears the nostrils and covers the anterior part of the nasal cavity

smell(n)-the process of perceiving an odor or scent

taste(n)-the process of understanding the flavor of something by putting it in your mouth

tongue(n)- a fleshy movable muscular process of the floor of the mouths of most vertebrates that bears the sensory organs and small glands

Extensions

Pop some Popcorn!

Enjoy the tasty treat! Are there pieces that the children can't eat? What can be done with the unpopped kernels? Are there any animals around the school who could enjoy them?

Who Is The Mystery Eater?

Put out different kinds of food for the animals to enjoy. Try to decide who ate it. Sprinkle flour on the ground around the food.. How can you tell who was

there? How did the animals know what to eat? Did they smell? Did they taste?

Ask the students to bring in some tasty raw vegetables. Engage the students in cleaning and arranging the vegetables on party trays. How many different colors can they see? After enjoying them can you save some for the animals near your school? Where should the food be placed? Why? How will the animals find the food?

Who Snatched the Orange?

Have the students gather into a circle. Talk to them about how you love to eat tasty oranges for lunch but you cannot find your orange today! All of them close their eyes. Now take an orange and rub it on your hands. Join the circle. Can the students tell "Who Snatched the Orange"? Let several children rub the orange on their hands. Now "Who Snatched the Orange"?

Where's My Baby?

Mother bats can find their babies among many by using their sense of smell. Designate one student as a "Mother Bat". Give all of the other students, the "Baby Bats", cotton balls. (You can choose to put them in an uncapped film canister if you wish). All of these cotton balls are unscented except for the one that is strongly scented with perfume or

other strong scent. Challenge the “Mother Bat” to visit each of the “Baby Bats” until she finds her own baby (the one with the scented cotton ball). Mix up the players and the cotton balls and continue to play until all of the students have had a turn playing different roles.

Resources

Books:

Bowden, Marcia. Nature for the Very Young: a Handbook for Indoor and Outdoor Activities. John Wiley & Sons, Inc. 1989.

Wilson, Ruth. Fostering a Sense of Wonder During the Early Childhood Years. Greyden Press. 1993.

Websites:

ALA’s Great Websites for Kids:
Animals

<http://www.ala.org/gwstemplate.cfm?section=greatwebsites&template=/cfapps/gws/displaysection.cfm&sec=1>

Awesome Library – Kids

<http://www.awesomelibrary.org/Classroom/Science/Animals/Animals.html>

Awesome Library – Teachers

<http://www.awesomelibrary.org/Classroom/Science/Animals/Animals.html>

Cincinnati Zoo & Botanical Garden

www.cincinnati-zoo.org

Internet Public Library/Kidspace/
Animals (comprehensive listing)
<http://www.ipl.org/kidspace/browse/mas4500>

KinderNature: A Resource for Early
Childhood Educators
<http://kindernature.storycounty.com>

National Geographic: Animals
<http://www3.nationalgeographic.com/animals/>

National Association for the Education
of Young Children
www.naeyc.org

