**Title:** Human Food Web

**Activity**
Suggested Season: Any
Suggested Grade Level: 3-5
Indoors or Outdoors: Either
Theme: Habitats
Topic: Food Chain/Web

**Objective:** Understand the concept of a food chain; understand key vocabulary words: *ecosystem, producer, consumer, herbivore, carnivore, and omnivore*

**Time:** 15-20 min.

**Materials Needed:** Ball of yarn; *Food Web Cards* (Blackline Master on CD)

## Directions:

1. Pass out a *Food Web Card* to each student. The ball of yarn starts with the sun or energy of the food web/chain.
2. Ask students who the sun should pass the yarn to in order to begin the food chain. The sun needs to hold the end of the yarn and then pass the yarn to a particular plant or producer. There will be more than one to choose from.
3. Ask the plant/producer who they would pass the yarn to next, which should be a plant eating animal. Remind the student to hold the end of the yarn before passing.
4. Continue to pass the ball of yarn around the circle until you reach the end of the food chain, i.e. An animal or predator that does not have any enemies or prey.
5. When you reach the end of the food web, clip off the end of the yarn and give it to the sun. Repeat process. At end of activity, see which piece of yarn is the longest.

## Discussion Questions:

1. How could the food web have looked different?
2. Why is this piece of yarn the longest? The shortest? What does this represent?

*Created by Lindsay Comstock, 2010, ISD #719*

## Standards Addressed:

Science: 2.1.1.2.1.; 3.4.1.1.2. ; 5.4.1.1.1. ; 6.1.3.1.1. ; 6.1.3.1.2. ; 7.4.2.1.1. ; 7.4.2.2.2. ; 7.4.2.2.3.
Language Arts: K.I.B.; K.II.B.; K.III.A.; 1.III.A.; 1.III.B.A.; 2.III.A.; 3.I.B.1.; 3.III.A.2.; 4.I.B.1.; 5.I.B.; 5.III.A.1-2,4-5.;
Math: 3.4.1.1.
Social Studies:

## Background Information:

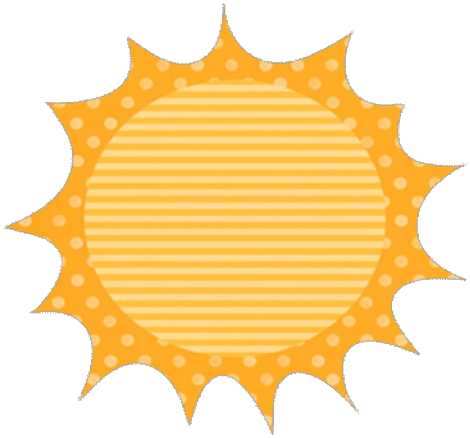
- **Ecosystem**—a community of plants, animals and smaller organisms that live, feed, reproduce and interact in the same area or environment
- **Producers**—an organism which produces its own food
- **Consumers**—an organism which does not produce its own food. Instead they depend on producers in order to survive.
- **Herbivores**—eats only plants or plant products
- **Carnivores**—eats only animals
- **Omnivores**—eats both plants and animals
- **Food web**—can be a complex concept. Ask your students to think about how many animals eat grass and how many different foods a red-tailed hawk eats. This can explain how the food web could look different every time you do this activity.

## Additional Resources:

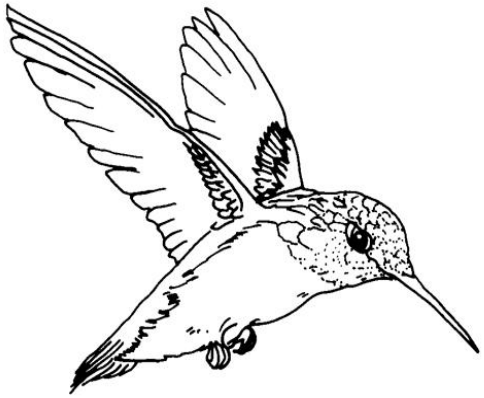
- *What Are Food Chains and Webs?* by Bobbie Kalman, Jacqueline Langille
- *Who Eats What?: Food Chains and Food Webs* by *Patricia Lauber*
- *Chomp!: The Fast and Furious Food Chain Card Game with Cards* by Gamewright

## Correlates with:

Greeting – Eat Up
New and Announcements – Food Chain



**ENERGY=**
**SUN**



**HUMMINGBIRD**



**RED FLOWER**




**RABBIT**



**SKUNK**



**SQUIRREL**

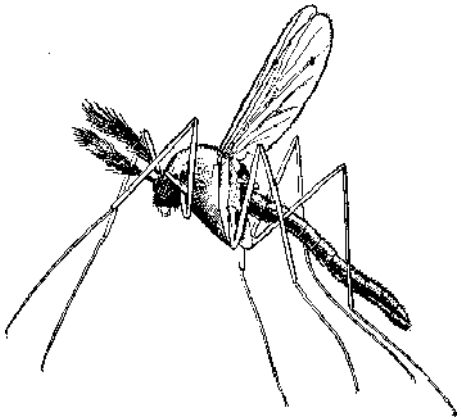
*Food Web Cards for Greeting—Eat Up*
*Created by Lindsay Comstock, 2008-2009, ISD #719*



**FIELD MOUSE**



**GOPHER SNAKE**



**MOSQUITTO**



**DEER**



**COYOTE**



**RED-TAILED HAWK**

*Food Web Cards for Greeting—Eat Up*
*Created by Lindsay Comstock, 2008-2009, ISD #719*



**POISON OAK**



**WALNUT TREE**



**ACORN**



**GRASS**



**WHEAT**



**BERRIES**

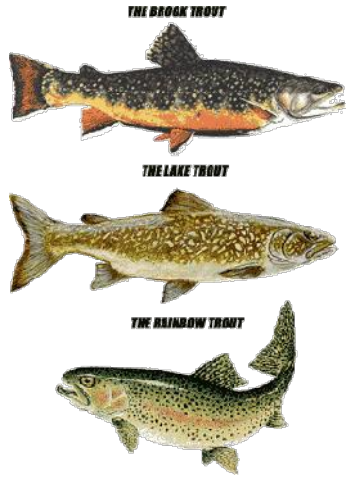
*Food Web Cards for Greeting—Eat Up*
*Created by Lindsay Comstock, 2008-2009, ISD #719*



**BEE**




**BROWN BEAR**




**TROUT**



**GREAT-HORNED OWL**



**BOBCAT**



**RACCOON**

*Food Web Cards for Greeting—Eat Up*
*Created by Lindsay Comstock, 2008-2009, ISD #719*



**ALGAE**



**WILDFLOWERS**



**MONARCH BUTTEFLY**



**VOLE**



**CHICKADEE**



**WORM**

*Food Web Cards for Greeting—Eat Up*
*Created by Lindsay Comstock, 2008-2009, ISD #719*