

# FOOD WEB ADVENTURES



## [Grades 3 – 5]

**Food Web Adventure** takes young explorers on a journey from sunlight to supper, unraveling the intricate connections that sustain life in biodiverse habitats. Through an inquiry-based guided tour, participants dive into fishy feasts and discover how energy flows from plankton to predators in aquatic ecosystems. Find out who eats whom and how in this guided tour and scavenger hunt. *Enhances standards in life science and science inquiry.*

## Grade 3

### Ohio Revised Science Standards:

Life Science- Behavior, Growth and Changes: This topic explores life cycles of organisms and the relationship between the natural environment and an organism's (physical and behavioral) traits, which affect its ability to survive and reproduce.

Nature of Science

Scientific Inquiry, practice and applications: Think critically and ask questions about observation and explanations of others.

### Next Generation Science Standards:

3-LS2-1 Construct an argument that some animals form groups that help members survive.

3-LS3-2 Use evidence to support the explanation that traits can be influenced by the environment.

3-LS4-3 Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

3-LS4-4 Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

## Grade 4

### Ohio Revised Science Standards:

Nature of Science

Scientific Inquiry, practice and applications: Think critically and ask questions about observation and explanations of others.

Next Generation Science Standards:

4-LS1-1 Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.

## Grade 5

### Ohio Revised Science Standards:

5.LS.1 Organisms perform a variety of roles in an ecosystem

5.LS.2 All the processes that take place within organisms require energy.

Nature of Science

Scientific Inquiry, practice and applications: Think critically and ask questions about observations and explanations of others

### Next Generation Science Standards:

5-PS3-1 Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.

5-LS2-1 Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.