

# AQUATIC ANIMALS ADAPTATIONS



## [Grades 3 – 5]

Have you ever looked at the incredible plant-like fins of a weedy seadragon up close? Or the statue-like appearance of a Surinam toad doing its best to remain unseen? Investigate how different habitats support animal life and identify unique adaptations that allow living things to thrive in these distinct places. Equipped with an adaptation key, students engage in inquiry-based learning throughout the guided tour. There are so many different adaptations among the aquatic animals, observations and discoveries are endless. *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

#### Nature of Science

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