

# Iowa Common Core Standards for Science

*4-H Youth Development Curriculum and Kits from Iowa State University Extension and Outreach, Scott County*

Name	Target Grade	Number of Lessons	Iowa Core Content Anchor Standard in Science	Specific Standard(s)
Aquatic Habitats	3-7	4	Life Science Physical Science	<p><u>Grade Three</u>            Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. <b>(3-LS1-1)</b>            Construct an argument that some animals form groups that help members survive. <b>(3-LS2-1)</b>            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. <b>(3-LS4-3)</b>            Use evidence to support the explanation that traits can be influenced by the environment. <b>(3-LS3-2)</b></p> <p><u>Grade Four</u>            Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction. <b>(4-LS1-1)</b></p> <p><u>Grade Five</u>            Support an argument that plants get the materials they need for growth chiefly from air and water. <b>(5-LS1-1)</b>            Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. <b>(5-LS2-1)</b>            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. <b>(5-PS3-1)</b></p> <p><u>Grade Seven</u>            Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively. <b>(MS-LS1-4)</b>            Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms. <b>(MS-LS1-5)</b></p>

Name	Target Grade	Number of Lessons	Iowa Core Content Anchor Standard in Science	Specific Standard(s)
Aquatic Habitats	3-7	4	Life Science Physical Science	Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem. <b>(MS-LS2-1)</b> Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems. <b>(MS-LS2-2)</b> Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem. <b>(MS-LS2-3)</b>