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)
Rainforest Ecology	2-5	6	Life Science Physical Science Earth & Space Sciences Engineering, Technology and Applications of Science	Grade Two Plan and conduct an investigation to determine if plants need sunlight and water to grow. **(2-LS2-1)** Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. **(2-LS2-2)** Make observations of plants and animals to compare the diversity of life in different habitats. **(2-LS4-1)** Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. **(K-2-ETS1-2)** Grade Three Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. **(3-LS1-1)** Construct an argument that some animals form groups that help members survive. **(3-LS2-1)** Use evidence to support the explanation that traits can be influenced by the environment. **(3-LS3-2)** Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing. **(3-LS4-2)** 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-LS4-3)** Grade Four Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction. **(4-LS1-1)** Grade Five Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment. **(5-ESS3-1)**

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Rainforest Ecology	2-5	6	Life Science Physical Science Earth & Space Sciences Engineering, Technology and Applications of Science	Support an argument that plants get the materials they need for growth chiefly from air and water. **(5-LS1-1)** Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. **(5-LS2-1)** Support an argument that the gravitational force exerted by Earth on objects is directed down. **(5-PS2-1)** 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-PS3-1)**