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)
Elementary Engineering: Bridge Design	3-5	8	Engineering, Technology & Applications of Science	Grade Three Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. **(3-5-ETS1-1)** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. **(3-5-ETS1-2)** Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. **(3-5-ETS1-3)** Grade Four Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. **(3-5-ETS1-1)** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem. **(3-5-ETS1-2)** Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. **(3-5-ETS1-3)** Grade Five Support an argument that the gravitational force exerted by Earth on objects is directed down. (5-PS2-1) Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. **(3-5-ETS1-1)** Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem**. (3-5-ETS1-2)** Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved. **(3-5-ETS1-3)**