



Science - Grade K4

Course Description:

The Indian Community School cultivates an enduring cultural identity and critical thinking by weaving indigenous teachings with a distinguished learning environment. The curriculum for this course is developed from the [Wisconsin Model Early Learning Standards](#) and the framework of the [ICS Our Ways Cultural Calendar](#). This course will focus on observing the world around us as we explore patterns in nature and the designed world. This course will focus on the life cycle of plants (apples and pumpkins), snowflake formations, objects that sink or float, and the life cycle insects (butterflies).

Enduring Understandings:

- Scientists create an argument with supporting evidence to demonstrate how plants and animals (including humans) can change the environment to meet their needs.
- Scientists use observations to describe patterns in the natural world and to answer scientific questions.
- Scientists observe and collect data and that can be used to make comparisons in the natural world.
- Scientists ask questions based on observations in order to find more information about the designed world.
- Scientists plan and conduct an investigation in collaboration with peers in order to answer questions or test solutions to problems.
- Scientists analyze data from tests of an object, or tool, to determine if it works as intended.
- Engineers define a simple problem that can be solved through the development of a new or improved object or tool.
- Engineers develop a sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

SCIENTIFIC THINKING

- I can find answers to my questions. (C.EL.1)
- I can use tools to investigate the world around me. (C.EL.2)
- I can guess what will happen next. (C.EL.3)
- I can learn from my mistakes. (C.EL.4)
- I can try again if I don't get it right the first time. (C.EL.4)