Scope and Sequence

Content Area: **Science**
Course(s): **Science**
Time Period: **Full Year**
Length: **Length of the Course**
Status: **Published**

Course Overview

The Third Grade Next Generation Science Curriculum begins students on the path of exploring the nature of Physical, Earth and Life Sciences through active investigations, observations, data collection and interpretation. The concepts that will be introduced will be Motion and Matter, Water and Climate and Structures of Life. First, the Motion and Matter Module provides grade 3 students with physical sciences core ideas dealing with forces and interactions, matter and its interactions, and engineering design. Students engage in science and engineering practices to collect data to answer questions, and to define problems in order to develop solutions. Students reflect on their own use of these practices and find out about how others use these practices in science and engineering careers. Next, in the Water and Climate Module, grade 3 students are provided with experiences to explore the properties of water, the water cycle and weather, interactions between water and other earth materials, and how humans use water as a natural resource. Students engage in science and engineering practices in the context of water, weather, and climate. Lastly, the Structures of Life Module consists of four investigations dealing with big ideas in life science—plants and animals are organisms and exhibit a variety of strategies for life, organisms are complex and have a variety of observable structures and behaviors, organisms have varied but predictable life cycles and reproduce their own kind, and individual organisms have variations in their traits that may provide an advantage in surviving in the environment. Students observe, compare, categorize, and care for a selection of organisms. Students engage in science and engineering practices to investigate structures and behaviors of the organisms and learn how some of the structures function in growth and survival. Students look at the interactions between organisms of the same kind, among organisms of different kinds, and between the environment and populations over time.

Scope and Sequence

Order of the Unit	Title of the Unit	Time Frame
Unit 1	Motion and Matter	Approximately 9 weeks
Unit 2	Water and Climate	Approximately 9 weeks
Unit 3	Structues of Life	Approximately 10 weeks

Date of Board Approval

This curriculum was approved by the Green Brook Board of Education on August 28, 2017.