Scope and Sequence

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

Course Overview

The second grade Next Generation Science curriculum will enhance student understanding of the outside world through active investigations, observations, data collection and interpretation. Concepts that will be introduced and studied will relate to earth science, physical science and life science. In the unit, **Pebbles, Sand and Silt**, students will be introduced to foundational earth science concepts and build an understanding of the importance of learning about properties. They become more aware of rocks as earth materials and natural resources and study how different rocks can be used for different purposes. In the unit, **Solids and Liquids**, students will build foundational understandings of physical science: what things are made of and how those properties determine the behavior and use of the object. The goal of the last unit, **Insects and Plants,** is to heighten students' awareness of the biodiversity that surrounds us and can be found in the animal and plant kingdom. They come to know the life cycles of a number of insects and plants. Students will become familiar with some of the life stages that different types of insects and plants exhibit. During the inquiry lessons in all of the units, students will use science and engineering practices that support critical thinking, questioning, engineering design processes, reading and writing to build scientific literacy, communication, and problem solving. Incorporating scientific crosscutting concepts will help students organize knowledge and enable them to develop a coherent and scientifically-based view of the world. Students will read critically from a variety of science genres and formats, and respond thoughtfully in discussions and through writing to develop science content knowledge. Students will articulate and elaborate their thoughts and analyses by writing as scientists do in science notebooks, and then will produce expository text to deepen their science content knowledge and communicate their thinking and learning.

Scope and Sequence

Order of the Unit	Title of the Unit	Time Frame
Unit 1	Pebbles, Sand and Silt	Approximately 9 weeks
Unit 2	Solids and Liquids	Approximately 9 weeks
Unit 3	Insects and Plants	Approximately 10 weeks

Date of Board Approval

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