

Scope and Sequence

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

Course Overview

The 8th grade science curriculum begins in chemistry, building upon the brief introduction that they left off with at the end of 7th grade. Students will begin with the smallest unit known as the atom; learning its makeup, interactions, how it relates to the Periodic Table of Elements, chemical reactions, law of conservation of mass, and more. The remainder of the year provides students with a basis in life science preparing them for high school biology, beginning with the smallest form of life we know, the cell, and branching out into genetics, heredity, natural selection, and reproduction. The 8th grade curriculum is aligned with the Next Generation Science Standards adopted by the state of New Jersey.

Scope and Sequence

| Order of the Unit | Title of the Unit | Time Frame |
|-------------------|--|--------------------------------|
| Unit 1 | Chemical Interactions | September to November/December |
| Unit 2 | Cells | December to January |
| Unit 3 | Growth, Development, and Reproduction of Organisms | February to April |
| Unit 4 | Evolution and Natural Selection | April to June |

Date of Board Approval

This curriculum was approved by the Green Brook Board of Education on August 22, 2016.