# Scope and Sequence: Intro to STEM

Content Area: **Engineering**
Course(s): **STEM**
Time Period: **45 Days**
Length: **1 Semester**
Status: **Published**

## Course Overview

The Introduction to STEM curriculum will give students a hands-on approach to what STEM is all about. The units covered within this course will be thematic in nature. Students will begin this course by learning exactly what STEM is through engaging activities that will force students to apply problem solving strategies to come up with a solution to a problem at hand. Next, students will explore the idea of circuitry through hands on projects that will involve students creating models that satisfy given criteria. Lastly, students will explore the idea of engineering through bridge building. Students must also show their problem solving skills to keep the bridge they are constructing within the budget outlined in the project. Although these units are thematic, the concepts learned within each unit will be built upon in all succeeding units.

## Scope and Sequence

| Order of the Unit | Title of the Unit | Time Frame |
|---|---|---|
| Unit 1 | Introduction to STEM | 15 days |
| Unit 2 | Circuitry | 15 days |
| Unit 3 | Engineering through Bridge Construction | 15 days |

## Date of Board Approval

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