Scope and Sequence: STEM II

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

Course Overview

The STEM II curriculum will build off the knowledge that students have gained through "Introduction to STEM", but will now incorporate the idea of robotics into the course. The units covered within this course will be thematic in nature. Students will begin this course by learning exactly what the "Hummingbird" robotics kit is capable of, and how they will use "Scratch" to bring their robots to life. Next, students will put into practice the capabilities of the "Hummingbird" into creating their own amusement park with working rides. Lastly, students will explore the idea of drones and create their own working drone. All units are thematic in nature however all come back to the central idea of robotics.

Scope and Sequence

Order of the Unit	Title of the Unit	Time Frame
Unit 1	Introduction to Robotics	8 Days
Unit 2	Amusement Park Design	20 Days
Unit 3	Drones	17 Days

Date of Board Approval

This curriculum was approved by the Green Brook Board of Education on