

Curriculum Map: Engineering Design 8

Course: ENGINEERING DESIGN 8 Sub-topic: Uncategorized

Grade(s): None specified

Course Description: Students in this class will be instructed in basic electrical theory, circuit design and development, and basic programming using Arduino circuit boards. Students will also explore engineering and manufacturing processes in the development of various layered, production and transportation based devices.

Course Textbooks, Workbooks, Materials Citations: N/A

Course Interdisciplinary Connections: Interdisciplinary connections for this class include:

- History: timeline / advancement of electronics over the past 2500 years
- Math: calculation of values given variables
- Computer skills: locating and saving files to specific drives / locations, proper naming of files, software usage
- Science: scientific and mechanical processes

Unit: Unit 1: Principles of Electronics

This Curriculum Map Unit has no Topics to display

Unit: Unit 2: Physical Circuits

This Curriculum Map Unit has no Topics to display

Unit: Unit 3: Solar Energy

This Curriculum Map Unit has no Topics to display

Unit: Unit 4: Laser Design

This Curriculum Map Unit has no Topics to display

Unit: Unit 5: Engineering Design

This Curriculum Map Unit has no Topics to display