

CE DIGITAL ELECTR 1 PLTW

Course Description

This **Project Lead the Way (PLTW)** course is the equivalent to *Electronics 1* course found in the USBE course catalog. This is the first in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training and safety, electrical theory, parallel and series circuits, Kirchoff's Laws, schematic diagrams, electrical components, and soldering.

Strands

1. Students follow safety practices.
2. Students will understand the proper use of test equipment.
3. Students will be able to understand and demonstrate how to use, test, and select electronic components.
4. Students will be able to understand and demonstrate basic electrical theory.
5. Students will demonstrate the ability to successfully solder components to an desolder components from a printed circuit board

