

Magic of Electrons (PLTW)

ME8479 9 weeks

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Course Description

Suggested Grade Level: 7 or 8

In this unit, students examine the behavior and parts of atoms as well as the impact of electricity on the world around them. They learn skills in basic circuitry design and use what they know to propose designs such as a burglar alarm for an art museum. Only Project Lead the Way (PLTW) member schools with approved PLTW agreements are eligible to offer this course.

Curriculum Framework

Project Lead The Way (PLTW) curriculum guides and course competencies are only available to PLTW affiliated schools through agreement with PLTW. To obtain additional information contact: Project Lead The Way 3939 Priority Way South Drive, Suite 400 Indianapolis, IN 46240 Toll Free: 877.335.PLTW (7589) Local: 317.669.0200 <https://www.pltw.org>

Appendix: Career Cluster Information

Career Cluster: Science, Technology, Engineering and Mathematics	
Pathway	Occupations
Engineering and Technology	Assembler Chemical Engineer Computer Programmer Electrical Drafter Electrical Engineer Electro-Mechanical Technician Electronics Engineering Technician Engineer Engineering Technician
Science and Mathematics	Chemist Secondary School Teacher