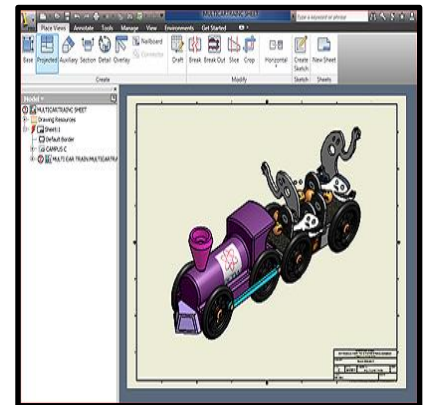
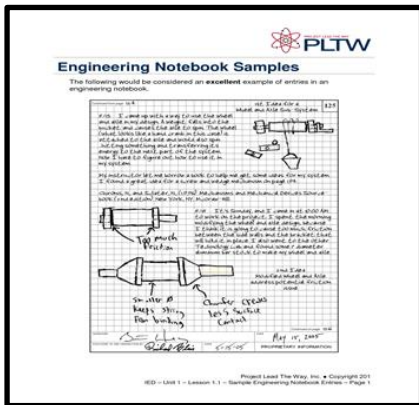


Introduction to Engineering Design



Prerequisite: Geometry AND Robotics OR Computer Science I

Course: 1835CT

Credits: 1

Length: 18 weeks

Placement: 9-12

Course Description

The major focus of the course is learning how to take an idea through a design process that will eventually be a manufactured or produced. Students will learn about various aspects of engineering and engineering design, such as how engineers communicate through drawing. Students will apply what they learn through various activities, projects, and problems. Students have the opportunity to receive college-level recognition such as college credit, scholarships, and admissions preference.

Students can earn weighted credit for this course.

Student Activities

- * CAD Solid Modeling
- * Reverse Engineering
- * Consumer Product Design Innovation
- * Marketing
- * Graphic Design
- * Engineering Ethics
- * Modeling
- * Sketching
- * Measuring, Statics and Applied Geometry
- * Presentation Design and Deliver
- * Engineering Drawing Standards

Additional Considerations

Students must have successfully completed Algebra I without modification. Cannot modify curriculum.

Organizations/After School/Competitions

Robotics Club
Shine Runners Solar Car Racing Team

