

Introduction to Engineering Design (IED)

Teacher's Name: Mrs. Isokpunwu
E-mail address: Marie_Isokpunwu@roundrockisd.org
Phone number: 512-704-0058
Remind: text @8cfgke to 81010
Web Address: <http://marieisokpunwu.weebly.com/>

Welcome to IED!!! I'm looking forward to an exciting, fun-filled, educational year. Below is the class description taken from the RRISD course catalog:

Engineering Design, Introduction to (IED-PLTW)

5839

Students study the engineering design process and become adept at creating engineering designs using 3D CAD (computer aided design) modeling software. Major areas of study include: sketching, dimensioning engineering drawings, reverse engineering, and more. Project Lead the Way Curriculum.

COURSE NOTE: Additional Fees: \$35.00 lab fee

CREDIT: 1 GRADE: 9-12

PREREQUISITE: Algebra 1

Classroom Supplies: (provided to all students)

- Engineering Notebook
- Portfolio Folder and binding materials
- Classroom Folder
- Pencils
- Invisible Tape

Grading:

Grades will be assessed as follows: 50% major (tests, projects, labs) and 50% minor (daily, journals, etc.).

Tutorials: (sign up and/or make appointments for other times)

- Tuesday 4:15 - 5:00 PM
- Friday 8:15 - 9:00 AM

Classroom Rules:

BE PROMPT, PREPARED, POLITE

POSITIVE & OPEN-MINDED

Retakes - The maximum grade for a redo/retake is *70% of the grade earned*. ALL redo/retakes must be graded during a tutorial session.

Late Work Policy - Late work will be accepted one block after the due date. The highest grade possible on late work at this time is 70. Late work will be accepted until the Wednesday before the 3 week and/or six weeks marking period. (See the CRHS grading policy.)

Absence/Make Up Policy – RRISD policy: one class day extra for each class day absent

This course follows the *Project Lead the Way (PLTW)Curriculum.*

- Unit 1: The Design Process*
- Unit 2: Technical Sketching and Drawing*
- Unit 3: Measurements and Statistics*
- Unit 4: Modeling Skills*
- Unit 5: Geometry of Design*
- Unit 6: Reverse Engineering*
- Unit 7: Documentation*
- Unit 8: Advanced Computer Modeling*
- Unit 9: Design Team*
- Unit 10: Design Challenges*

Note(s):

1. Students will receive a password to the Learning Management System (LMS) where they can access the entire curriculum for Introduction to Engineering Design (IED).
2. Some assignments will be given and turned in through the LMS; therefore, it is important that you keep your login information secure.
3. ALL students enrolled in PLTW courses will take an EOC for the course. The EOC is PLTW produced. Your performance will count as a grade in the course, but the IED EOC is not required for graduation.
4. Students are required to attend at least 3 outside pre-approved Engineering events and complete the summary handout for the event. This will count as a project grade in the 6th-6 weeks of school.