

Class Expectations for Principles of Engineering

Mrs. Delis

2022-2023

Attendance:

Attendance will be taken at the start of each class. After three unexcused tardies, a detention will be assigned. Please be on time!

Office Hours:

Tuesday: 2:25 pm - 3:20 pm

Wednesday: 2:25 pm - 3:20 pm

If a conflict exists, please see me so that we can schedule a time to meet!

Electronic Devices:

Electronic devices are to be put away during lessons. After three warnings, your phone will need to be placed on my desk for the duration of class. If the problem persists, a detention will be assigned and a phone call home will be made.

Google Classroom:

All slides, assignments and classroom information will be on our Google Classroom page. Check the stream for any announcements!

Grading:

Grades will be based on projects, activities, tests and quizzes, participation, and classroom assignments. Grades are year long and each quarter will be 25% of the final grade.

Advanced Credit Option:

Advanced credit is available to all students taking PLTW Engineering courses. If choosing this option, students will receive weighted grades towards their GPA (4.5 scale). In order to receive advanced credit, the following will need to be completed:

1. Google form filled out stating you would like to be enrolled in Advanced Principles of Engineering Design by Tuesday, August 22.
2. An additional activity or project extension each quarter.
3. An engineering field experience (shadowing, field trip, college visit) must be completed and reflected on by the end of the year (subject to change given the current circumstances).

Late/Missing Assignments:

Late assignments will receive a 10% point deduction for each day late for a maximum 30% point deduction. Assignments will not be accepted after seven school days have passed. If for some reason you will not be able to turn an assignment in on time, please email me.

POE Topics:

Unit 1: Energy and Power

Unit 2: Materials and Structures

Unit 3: Control Systems

Unit 4: Statistics and Kinematics

POE Projects:

Compound Machine: Design and build a compound machine to accomplish an instructor-specified task.

Fuel Cell Cars: Design and power a small vehicle using up to three fuel cells. Fastest to cross the finish line wins!

Renewable Insulation: Design a composite insulation material that produces minimum heat loss.

Machine Control Design: Design and build a machine to solve a specific problem.

Material Sorter: Design, model, and test a device that will separate recyclable materials.

Ballistic Device: Design, build, and test a mechanical device that will launch a projectile varying distances with precision and accuracy.

End of Course Exam:

PLTW's end of course exam will be given during the month of May. The exam will cover all topics learned throughout the school year.

The WebXam will be given in April. This is a state mandated test for career-technical programs.

I look forward to working with you this year as we explore engineering! Any other questions or concerns, please feel free to contact me:

E-mail: hdelis@fairview.k12.oh.us

**Mrs. Heather Delis
Engineering Teacher
Fairview High School**

I have read and understand all the above expectations.

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____