

Engineering Technology, Disclosure 2020-2021

Ms. Morrill

Course Description:

This course explores various aspects of engineering and consists of six units: Design and Modeling, Automation and Robotics, Energy and the Environment, Flight and Space, the Magic of Electrons, and the Science of Technology. The course is semester long and is focused on hands-on learning, with a few quizzes/tests.

Tech Lab/Equipment:

Students are expected to show appropriate behavior at ALL times while using equipment in the lab. Students will cover any deliberate damages they inflict on the lab and/or equipment. Inappropriate behavior will result in loss of lab privileges and the assignment of a written activity.

Lab Fee

There is a \$10 fee which will be posted on Skyward about 2 weeks into class. This fee helps cover the cost of materials and supplies used for the class, including 3D printing filament, replacement parts for the robotics/mechanisms unit, and various hands-on problem solving/design activities such as the scribble bot and CO2 car (activities are subject to change).

Safety

Safety is a priority at all times during hands on projects. Safety guidelines are clearly covered in class and students will be required to pass a general safety test before using any equipment. Lab privileges will be revoked for any student displaying unsafe behavior.

Behavior/Participation/Teamwork:

Many of the activities in this class involve teamwork. Failure to work successfully within a team will result in a lowered grade for all students involved. Engineers often have to work in teams and work with conflicting personalities. As an introductory engineering course, students are expected to work on resolving differences peacefully and developing professional attitudes.

Cell Phone / Mobile Device Policy:

Cell phones and other mobile devices are not to be used in class, unless the teacher gives permission. Ear buds should be out of ears and out of sight. If a student is caught using a device without permission, the device will be moved into "cell phone prison" and the following consequences will be enforced:

- 1st Offense: Device goes to prison until end of period, lose citizenship points, name added to offenders list
- 2nd Offense: Device goes to prison for the rest of the day; lose citizenship points, citizenship drops a grade
- 3rd Offense: Device goes to prison and then transfers to attendance office, where the official school cell phone policy will be enforced. lose citizenship points, parents contacted.
- 4th Offense: Device goes to office again to continue school policy consequences, lose citizenship points and class technology/activity privileges, administration contacted. Insubordination consequences may apply.

**Citizenship points will ONLY affect the citizenship grade (H, S, N, U)*

Grading:

- Assignments—20%
- Assessments—80%

Late Work

Students can turn in late work and re-do assignments without penalty until the deadlines, which will be midterm for the first half of the quarter, and the week before the end of the quarter for the second half. After the deadlines, students will not be able to make up work or redo assignments.

Covid-19

To reduce risk for spreading Covid-19, students are required to wear masks that cover their mouth and nose completely throughout class. They will also be cleaning their desks and lab computers at the beginning of the period every day. **The district has classified this class as high-risk**, so I will also be taking students' temperatures daily. If a student has a temperature 100.4°F or higher they will be sent home.

Teacher Availability:

I am available from 7:20 - 3:20, Tuesday - Thursday. Any other times by appointment. Students with questions on grades and assignments are asked to come in outside of class, as it is often too busy during class. I am also available during school hours by email: lindsey.morrill@jordandistrict.org. For access to class materials, log in to Canvas at jsd.instructure.com.