

Principles of Engineering • 2024-2025

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Welcome to Ms. Trojanowski's Principles of Engineering class!

Welcome to Principles of Engineering! In this course, you will explore how modern engineers are helping improve the world through diverse engineering fields such as product design, robotics, mechanical design, as well as infrastructure and sustainability. You'll learn some of the cutting-edge tools of robotics, 3-D modeling, programming, and prototyping that engineers are using to solve problems today and for the future!

- Students are expected to utilize the Canvas website daily for access to all assignments and resources, and to utilize Canvas to complete and turn in a majority of assignments for this class.
- Your child will have access to sufficient resources to master ALL standards and objectives. I will provide all of the instruction and support necessary.
- Internet access is required. Netbooks and Wi-Fi are available at school.
- Students should ask critical questions about the content, and use all resources available!

Student Initials _____ Parent Initials _____

Daily Materials:

1. Engineering Notebook and pencil/pens
2. Headphones
3. Closed toed shoes when in the lab.

Student Initials _____ Parent Initials _____

Competency-Based Learning:

70% Competencies (projects and tests)
30% Classwork (attendance and effort)

If you fail a competency, you are expected to re-do it.

- Review the lessons from the chapter or project
- Take notes and correct your work
- Schedule an appointment to re-take the competency during lunch or after school.

You are responsible for making up work missed due to absences and for rescheduling competencies if necessary. ***Cheating will result in a score of zero.***

Student Initials _____ Parent Initials _____

Grading:

Grades for all assignments are awarded on a 5-point scale, then weighted by category.

Grading Scale:		Grade Distribution:
90% - 100%	A	70% Competencies (projects and tests) 30% Classwork (attendance and effort)
80% - 89%	B	
70% - 79%	C	
60% - 69%	D	
0% - 59%	F	

Student Initials _____ Parent Initials _____

Citizenship and Appropriate Use:

1. Citizenship grades will be in accordance with the Canyon Hills High School Citizenship Rubric. A copy of this rubric will be posted on Canvas.
2. Students agree to respect and handle all materials and resources with care.
3. Students will use electronic devices respectfully and responsibly.
4. Students will be prompt and prepared and will use the restroom before class.
5. Students can check their citizenship grades at any time by contacting Ms. Trojanowski.

Student Initials _____ Parent Initials _____

CLASSROOM CONDUCT - Students are expected to demonstrate professionalism in the classroom. This includes the following:

- Students will arrive to class on time or they will be marked tardy.
- Students will treat their teacher, classmates, and classroom with respect.
- No food or drinks are allowed in class.

ASSIGNMENT POLICY

- Assignments that are turned in late will be subject to a loss of 10% per day up to a maximum of 50% before receiving a 0, unless a doctor's note or other legitimate document is provided.
- No late work will be accepted after the unit assessment.
- If a student is absent, it is her/his responsibility to receive the missed work and instructions from Canvas or directly from the teacher (depending on the assignment)

Some make up work may be difficult to complete at home without the necessary computer programs, most of which are free to install. See your instructor for more information.

OFFICE HOURS

Office hours will be during lunch and available upon request.

CELL PHONES

Complying with San Diego Unified and Canyon Hills High School policy, cell phones may not be out during class.

COMPUTER USE:

- If students misuse computers, they will lose access to them for a period of time as determined by the teacher. Not having access to a computer does not excuse them from completing assignments or projects.
- Report all problems or damage immediately to the teacher.
- Ask permission to use headphones/ear buds.
- Ask permission before printing.
- Only use the computers to work on assignments given by the teacher.
- Do not use the computers to download or make unauthorized copies of software or files, including music & sound files.
- Log off at the end of the working period.

WORKSHOP SAFETY

All students must pass the safety tests and adhere to the safety guidelines outlined in the WORKSHOP SAFETY CONTRACT (Attached).

I have read the class Syllabus and understand Ms. Trojanowskis' policies and expectations:

Student Name (Print): _____	Parent Name (print): _____
Student Signature: _____	Parent Signature: _____
	Parent Phone: _____
	Parent Email: _____

WORKSHOP SAFETY CONTRACT

Please read this form carefully.

I, _____, authorize my student to use approved power tools in activities related to engineering projects for IED, POE, or Green UP at Canyon Hills High School under the direction of Cora Trojanowski, the engineering instructor. I understand that using these types of tools can be dangerous and can create certain risks, including, but not limited to personal injury, illness, death, or property damage. I choose to allow my son/daughter to use these types of tools and do hereby release and forever discharge and hold harmless Canyon Hills High School and the engineering instructor, Cora Trojanowski, from any and all liability, claims, and demands of whatever kind of nature which arise from using power tools in the classroom.

I understand that proper safety handling and training will be provided to my student, including both a written test and a hands on practical examination to ensure that all safety rules are clearly understood and will be followed. My student will not be allowed to use power tools until both tests have been passed AND a copy of this contract, signed by a parent/guardian is returned to the instructor. Please read the following rules with your student.

Safety Rules

1. An instructor must be present during all laboratory work.
2. Always approach workshop experiences in a serious and courteous manner.
3. Leave backpacks, purses, and other such items in the classroom. Take only notebooks into the workshop area.
4. Confine long hair, jewelry, and sweater draw strings while in the workshop.
5. Wear shoes that cover the toes, rather than sandals, in the workshop. (If you need close toed shoes, please let the instructor know and we will provide you with a pair).
6. Wear appropriate eye protection, as directed by the instructor, whenever you are in the workshop.
7. Know the location and operation of the emergency eyewash station, fire extinguisher, and exits.
8. Report any accident to the teacher immediately, no matter how minor. Included are reports on any burn, scratch, cut, or damaged equipment and materials.
9. NO RUNNING in the workshop!!!
10. Only one student within the yellow and black lines at a time.
11. Only use only those materials and equipment authorized by the instructor.
12. Eating or drinking in the workshop is not permitted.
13. Students are not permitted in workshop storage rooms or teachers' workrooms without the approval of the teacher.
14. All waste must be immediately deposited into the appropriate waste container as directed by the instructor.
15. Violations of these rules may result in a loss of daily points and/or loss of workshop privileges

Please fill out the following information acknowledging that you have read and agree to the terms of the Workshop Safety Contract and Safety rules.

Date _____

Print name of student _____

Student Signature _____

Print parent/guardian name _____

Parent/guardian signature _____

Parent/guardian phone _____

Emergency Contact and relationship to student (if someone other than parent) _____