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**PRINCIPLES OF ENGINEERING**  
**MRS. BUSCH**  
**2019-2020**

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### **WELCOME**

Welcome to Principles of Engineering. In this course you will be introduced to several engineering fundamentals including power, energy, materials, structures, control systems, kinematics, and statics. A successful completion of Algebra 1 is strongly encouraged as this course involves a large amount of Algebra and Physics. Please feel free to contact me using my email [abusch@marysvilleschools.us](mailto:abusch@marysvilleschools.us), my class phone (810)-455-6072, or my class site [www.buschclassroom.weebly.com](http://www.buschclassroom.weebly.com).

### **CLASS RULES**

- Be in your seat, working on the warm up when the bell rings.
- No food, pop, or candy in the lab (state regulations).
- Follow the class procedures.
- Follow the rules in the student handbook.

### **CONSEQUENCES**

1. Friendly Warning
2. Student-Teacher Conference
3. Parent Contact
4. Referral to Administration

*\*Extreme actions may result in skipping steps*

### **MATERIALS**

- Writing utensils (pens preferred)
- Composition Notebook 75+ pages (required)
- Folder for handouts (encouraged)
- Calculator (encouraged)

### **GRADES**

Your grade will be based on total points comprised of the following:

- Notebook Checks
- Homework
- Quizzes
- Projects/Tests

Your grade will be adjusted according to the school policy for grade reductions related to attendance. Refer to the school handbook for reductions due to absences and tardies (both excused and unexcused).

Semester grades will be comprised of three marking period grades worth 90% (30% for each marking period) and a cumulative final exam worth 10%.

The grading scale will be as follows:

100-98%	A+	86-83	B		
97-93		82-80	B-	69-67	D+
A		79-77	C+	66-63	D
92-90	A-	76-73	C	62-60	D-
89-87	B+	72-70	C-	59-Below	E

## **TESTS/PROJECTS**

Tests or projects are generally given for each unit. If a cumulative test is given, it will count only towards the marking period in which it was given.

All students are given the opportunity after each test to do test corrections. Students may earn up to half the points back for each question that is successfully corrected, up to a maximum of 10% back. Test corrections are not allowed on the final exam.

## **Notebook Checks**

As an engineer it is very important to record every step of the decision making process. For this reason, students will write notes, assignments, designs, and projects into their notebook to demonstrate knowledge of content and participation.

## **CHEATING/PLAGIARISM**

Cheating in any form will not be tolerated. If I suspect that cheating or plagiarism has occurred, both the copier and the copied students will receive a zero on that assignment. No exceptions!

## **FIT RULES**

Sign only yourself up for FIT. My FIT is a quiet location for students to work and seek help. Please come to my FIT if and only if you plan to work and be quiet.

## **REMIND 101**

To sign up for reminders, send the text "@fe2739ed2" to the number 81010.