AAEC Introduction to Engineering

Instructor: Mr. Merlos

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**Course Description**

This course introduces the fundamentals of engineering.  Throughout the course different types of engineering will be explored.  This will include, but not limited to, electrical, civil, mechanical, computer, architectural, construction, and robotics.  This course will be designed to be a project-based course in which team work and communication will be essential for success.  A strong foundation in mathematics, analysis, and logic is highly recommended.

**Course Goals**

The goals of this course will be to:

1. To promote productive study habits.

2. To develop your ability to discover the answer.

3. To make math and science relevant for students.

4. To engage students in hands-on, real-world projects.

5. To help students understand how the material covered in class can be applied in their everyday lives.

**Attendance**

You are expected to attend each class meeting and to be on time. You will be given a specific amount of time to complete any work assigned during your absence.

**General Classroom Rules**

1. All school policies will be enforced.

2. Be prepared with book, paper, and pen/pencil (sharpened).

3. Be respectful of all.

4. Be productive during the entire class period.

**Edmodo**

Edmodo is an online classroom that I will be using this year. It is an important learning and communication tool that will be required for all students. With Edmodo, students will be able to accomplish various tasks, such as turning in assignments, taking quizzes, or reading notes from their teacher. Students will also be able to access classroom resources online, check their Edmodo calendar for due dates and important events, and communicate with their teacher and fellow classmates outside of class.

**Grading**

Class work 30%

Projects 50%

Final Project 20%

Course Grade Point Values: A 100-90%

B 89-80%

C 79-70%

F 69-00%

**\*There will be group work, and your grade may be affected by your group performance.**

**\*The instructor reserves the right to alter the schedule to accommodate varying student needs.**

**Classwork**

**Classwork is essential to completing this class successfully.** Depending on the project/lesson you will be expected to work in a groups or individually. You are also going to be required to present/explain projects in front of the class.

**Absences**

When you return to school after an absence, it is your responsibility to find out what you missed. You will have two days from the day you return to make-up any missed assignments for full credit. If you miss a test, see me so that we can make arrangements for a makeup test.

**Necessities**

If you need to get out of your chair for any reason please raise your hand and ask for permission. If you need to go to the restroom, it must be an emergency, or you will have to wait until your regular breaks between classes. Anytime you leave my classroom during a class period, you will need to sign out.

**Class Dismissal**

Class dismissal times are posted; however, remain in your seat until I dismiss you. Remember the bell lets us know it is time to go, but I will dismiss you!

**Off Limits Areas**

My desk, behind my desk, and file cabinets are off limits to all students unless they are given permission. Storage cabinets and whiteboards are also off limits. Please respect this request.

**Food/Gum/Candy**

Please do not eat food or candy without permission in our classroom. Also, there will be no gum allowed in the classrooms or on the school grounds.

**Toys/Games**

Electronic devices such a cell phones, tablets are not allow in the classroom unless there is an activity/assignment that requires them. I will only give student one warning when I catch them playing with their phones/electronic device. If I have to speak to them again, I will take the device to the office for parents to pick-up.

**Housekeeping**

This is our classroom, so please help me to keep it clean. Throw all trash in the waste can, and please do

not leave garbage on the floor or tables.

**Syllabus Signature Sheet**

Student:

Please read the course syllabus and share it with your parents. Then you and your parents should sign this sheet. Please return this sheet by Friday, August 9th.

I have read the policies and expectations for the **Introduction to Engineering** class and understand them. If I choose not to meet these expectations, I am willing to accept the consequences.

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| --- | --- |
| Student Printed Name: | Parent Printed Name: |
| Student Signature: | Parent Signature: |
| Date: | Date: |

Parent/Guardian:

If you have an email address you would like the instructor to use to communicate with you about your student's progress, please include it here: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Comments / Concerns: