**Engineering Design and Presentation 1**

**Periods 1st 2nd 6th and 7th**

**Fall 2023**

**Instructor Information:**

Margaret Nance

Room 119A

Tutorials Every Monday 3:30-4:30

Phone: 713-942-1430

Email: Margaret.nance@houstonisd.org

**Course Description**

First semester is going to be AWESOME! We are going to figure out what we are going to be doing after high school, creating imaginary budgets, learning about AutoCAD, conducting experiments, doing some college math prep and preparing career interview questions, scholarship writing bootcamps, and more!

**Course Goals**

* Students will learn about careers in STEM
* Students will learn basics of AutoCAD through the program CADLearning
* Students will design projects and products to be used at their internships.
* Students will have guest speakers come into the classroom to help with FAFSA, college apps, college exploration, and engineering design.

**Required Materials**

* Fierce Conversations Book (Provided to you)
* Folder (Provided to you)
* Pen/pencil
* Charged Laptop

**Course Schedule:**

1st Six Weeks: August 28-Septemebr 29

2nd Six Weeks: October 1-November 10

3rd Six Weeks: November 13-December 22

4th Six Weeks: January 9-February 27

5th Six Weeks: February 28-April 19

6th Six Weeks: April 22-June 5

**Grading and Assessment:**

* Participation: 10%
* Homework/Assignments: 50%
* Projects/Test: 40%
* Final Exam: 10%

**Attendance and Participation Policy:**

Attendance: “Students must be present at least 35 minutes of the class period (or 60 minutes of a 90-minute class period) in order to be considered in attendance unless they are participating on a field trip or other activity approved by the principal.”

Tardies: “Unexcused tardies are **not** converted to unexcused absences. Tardies are a disciplinary issue.” Ms. Nance will contact parent after 3 tardies to her class.

Participation and why it Matters: This class is for you, and you decide whether you are going to get something out of it or not. If you are failing the class, parents will be contacted via email, with a potential phone call.

**Academic Integrity**

* Students are expected to understand, and adhere to, the school’s academic integrity policy.
* Penalties for violating the policy can include failure of the assignment, failure of the course, or other penalties as determined by the school.
* For more information about academic integrity please consult the HAIS Student Handbook.
* If there is someone cheating off your work, please notify me immediate. Cheating, copying, and not giving credit is not tolerated in this class.
* Group assignments should not be placed on the shoulders of 1 group member.
* Group assignments will require a survey to be completed by the group that depicts what each group member did.
* If it is apparent that someone did not do the work, then they will receive a different grade from the rest of the group.

**Accommodations**

I have your accommodations, however if there is something that I am missing, or that you would rather me do, please bring it to my attention, or ask to not use certain accommodations if you the student do not need them.

**Course Communication**

Please email me with concerns and for me to have a reminder to do something for you. I love questions about grades, projects you want to do, or about outside programs that you can get involved with. I have tutorials every Monday, and Wednesday on occasion depending upon need.

**Late Work and Absent Policies**

* 5 points off for everyday that it is late.
* I hate homework, and so do you. We will complete assignments in class.
* No Late work will be accepted after 3 weeks, due to how often assignments are graded.
* When you are absent: It is your responsibility to complete the assignment in Canvas on your own time. If it is a lab, and cannot be done on Canvas, then you will be given a different assignment to complete on your own.
* Slides for lessons will be on Canvas, along with other resources.
* You will have 1 additional day to complete the assignment, unless we have come to an agreement when the assignment can be turned in (i.e. illness, family emergencies extending to more than 1 day, etc.)
* Communication is key, I cannot read minds, so please be communicative of what you need from me as your supportive teacher.

**Tentative Schedule Changes**

Note that the schedule and topics might be subject to change based on the class's progress, unforeseen circumstances, or feedback.

**Additional Classroom Rules**

* Every day is a new day
* Communication should be respectful and supportive.
* There are no bad ideas.
* If you want to know more about something, please let me know.
* When I am talking, students are paying attention and taking notes.
* Cell phones stay in bags, unless otherwise instructed.
	+ Extra bonus points on assignments and Final for placing phones in designated areas.
* Airpods, ear buds and music will not be used by students during lecture time.
* **Bonus Points also for turning in the syllabus before the second week of class!**

**Resources**

* Canvas will be the platform where students will turn a majority of work in and receive work. However, **when checking for grades,** **PLEASE LOOK AT POWERSCHOOL, NOT CANVAS.**
* HAIS Student Handbook is also available to students on the website.
* Monday tutorials- Always.

**Students,** by signing this syllabus, you as a student understand classroom rules. As a result of breaking the classroom rules, depending on severity and number of offenses, your parents will be contacted. Failure to sign does not constitute exclusion from adhering and facing consequences if you choose to break the above classroom expectations.

**Parents**, you will be contacted if student is in danger of failing my class via email (not after student is failing class) or the student is not adhering to classroom expectations. Please give me the best way to contact you, with both an email and a phone number.

I am thrilled to have your child in my class, and I look forward to rest of the school year.

Student Printed name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature/Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Printed name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent phone number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_