Instructor: Arden Smith  
Room # 421  
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Prerequisites: None

Catalog Course Description:
Introduction to Engineering is an introductory course, which develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware and software, Inventor. This course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated, using a Computer Aided Design System (CAD). Various design applications will be explored with discussion of possible career opportunities.

Assigned Text:
“Basic Technical Drawing”

Students will need access to the internet for this class.

Instructional Strategies/Methods

1. Discussion/Questioning  
2. Problem Solving  
3. Projects  
4. In-Class Examples  
5. Homework  
6. Lecture

Special Needs Learners:

If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements, please make an appointment with me as soon as possible.
Assignments and Homework Policy

Homework is to be completed within a specified time limit and normally is of such length and/or of such a nature that the learner must complete independently, part or all of the assignment during non-class time. Homework that is late will be a zero.

Make-Up Work

Students who are absent from school with excused absences shall be expected to make up the work they have missed. The privilege of making up work shall be reserved for unavoidable absences such as illness. Students will have as many days as they missed to make up their assignments. For example, if a student was to miss two days due to an illness they would then have 2 days from the day they returned to complete their make-up work.

Students taking field trips are responsible for securing their homework in advance and for submitting it on the due date. If the due date falls during the actual time of the field trip, the assignment should be submitted during the next class meeting after the field trip. The school shall not be responsible for work missed because of late entrance or extended vacations that do not coincide with regular school holidays.

Student Expectations

1. Students are to enter the room quietly and take their seats before the bell rings or they will be counted as tardy. If they have homework due that day they are to take it out and have it ready to hand in.
2. Students will have necessary materials, paper, pencil, and folder
3. Students will take notes and ask questions during lessons.
4. Students will work to the best of their abilities and maintain a positive attitude.
5. Students will seek extra help from me during success period or after school.
6. At the end of class, students will remain seated until the bell rings.
7. It is the students’ responsibility to notify me immediately if they notice their computer has been vandalized or is not working properly.
8. Any student who abuses his or her computer privileges (examples: trying to circumvent security to get to Facebook, playing games, etc.) will have their access revoked. They will still be responsible for completing assignments and projects on time.

Rules:

1. Be prepared and ready to learn at all times.
2. Respect everyone and everything in the class.
3. Horseplay of any kind will not be tolerated.
4. No Cell Phones
5. No food or drinks in class.
6. No coats, hats, or backpacks are allowed in class.
Grading

Grades will be determined on a total point system. Points are earned through projects, quizzes, and tests. I will post grades on the computer. Students and parents should check grades online often. This will allow parents to follow their child’s progress through out the school year.

Grading Scale:

- 100-90  A
- 89-80   B
- 79-70   C
- 69-60   D
- 59 and below   F

Extra Help:
I am in my room before class everyday and encourage students to come see me with questions if they are having a hard time with class materials.

Please sign and return to Mr. Smith.

We, the undersigned, have read and understand the guidelines and rules set forth in this class for the school year.

Student:

_____________________ Parent/Guardian______________________ Date:________