



Technology Education
1.00 credits - year

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Course Description

This course will be a hands-on exploration into design and fabrication. Students will be encouraged to express their creativity and utilize problem-solving research to design and produce products. Students will be expected to incorporate CNC router, laser cutting and engraving, vinyl, and 3D printing applications in real world applications.

Evaluation

Students will be evaluated on the following:

- Participation
- Assigned projects
- Independent projects

General Rules

Do Authentic work! Be BRAVE:

1. Be safe – listen to all directions
2. Respect - Be on time.
3. Accountable – Do authentic work
4. Victorious - Don't prevent me from teaching or others from learning.
5. Enthusiastic - Let the creative juices flow!

Course Requirements

To be successful in this type of student-centered course, the student *must* be able to persevere in the face of adversity and strive for excellence. Problem solving skills will be tested and a strong work ethic is required. Due to the specialized equipment, most of the work will need to be completed in class. Students should be prepared to multitask, be self-motivated to stay engaged the entire class period, and have enough self-discipline to find information and apply it with little teacher direction.

Please note: This course is always changing and updating based on students' needs. Expectations may fluctuate throughout the year.

Course Outline

1. Safety
2. Vinyl Cutting
3. Laser Cutting
4. 3D Printing
5. CNC Router
6. Advanced Application