



Technology Education – 7th Grade

Mr. Freese

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(817) 847-9210

Conference Period: 4th period from 11:27 am – 12:12 pm

Tutoring Opportunities: Tuesday afternoon from 3:30pm – 4:30pm, or before school by appointment.

Class Materials:

Students should bring a pencil to class every day.

Course Description:

This is a Semester course designed to be an introduction to Technology Education and woodworking basics.

Course Goals:

Students who complete this course successfully will be able to:

- Apply the Scientific Method while conducting a Straw Rocket Experiment
- Understand Mechanical Advantage when using Levers, Gears, and Pulleys
- Design and Build Functioning Robots
- Create 3-D designs using Tinkercad software, and print them using a 3-D printer
- Safely utilize power tools to create various projects in the woodshop

Note: Students will be required to return a completed Technology Education Safety Agreement, signed by a parent or a legal guardian.

Student Evaluation:

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum 4 per six weeks

- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), "The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.
- Official grades will be in Skyward only and can be accessed by student and parent through Family Access.

Assignments, exams, expectations outside of the classroom:

Throughout the semester, we will complete several hands-on projects that will be created in the woodshop. The students will be expected to work with **drills, saws, lathes, and various other woodworking tools**. Although appropriate instruction in the safe operation of these tools and equipment is provided, and close supervision is maintained at all times; there is always inherent risk involved with the use of power tools due to the nature of the experience, the age of the students, and the learning environment. If you feel that your son/daughter should not be allowed access to such equipment, please contact me ASAP so we can discuss the situation and consider other alternatives. In addition, please contact me regarding any health problems that may have a bearing on your child's participation in this class.

Attendance/Tardy Policy/Make-Up or Late Work:

EMS district policy will be followed. Please refer to the On-Line District Handbook.

Students are required to engage **daily** in the lessons, complete and turn assignments in on time, interact with the teacher, and show progress in the learning. A student will be considered absent if the student does not have documented engagement listed above. Students who are receiving remote asynchronous instruction are considered enrolled on the first day the student participates through one of the engagement methods listed in this document.

Daily attendance will be taken, and compulsory attendance will be followed. If a student is not engaged online, the normal truancy process will be followed (TEC, §25.092). Students must be present for 90% of the required days of learning to be promoted to the next grade level or receive credit towards graduation, if in high school. Notes for absences will still be required if a student is in remote learning.

Classroom Expectations:

Be respectful of students, staff, and property

Have high expectations of yourself and others
Keep hands, feet, and objects to yourself
Be on time and prepared
Follow directions the first time they are given

As a Career/Tech Ed (CTE) course, this class is about more than learning the content; it is also meant to prepare students for the workplace. As such, orderly, productive, and respectful behavior is as much a part of the curriculum as research and shop projects. Failure to meet behavioral expectations will result in consequences per district policy in order to preserve the learning environment and ensure that every student has an opportunity to achieve to his or her potential.

Preliminary Schedule of Topics and Assignments: (Subject to change to accommodate for Covid 19 and remote learning)

- Measurement practice and test
- Straw Rocket Experiment
- Mechanical Advantage as it applies to Levers, Gears, and Pulleys
- Robotics- Design and Build Challenge
- Tinkercad Software – Computer designed 3-D projects printed to a 3-D printer
- Woodshop safety and project building

Academic Integrity:

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.