

Exploratory 7 (STEM)

Scott Hale

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Availability by appointment (meetings and other responsibilities), but generally

1. 7:30 before school
2. during lunch
3. during study hall
4. after school (starting after Cross-Country season ends)

Course Description

We will be learning about STEM and what it means. STEM is an acronym for Science, Technology, Engineering, and Mathematics. In this particular class, our main focus will be on engineering and the engineering design process. In short, it is a method for how to identify and execute solutions to problems or improvements on existing machines or procedures. In this class we will do this by addressing engineering challenges both individually and in small groups. Some examples include building towers and bridges as well as creating and/or coding machines to accomplish a specific purpose.

Required Texts, Materials, or Equipment

- None. All supplies will be provided. However, some things we build may have an option to include supplies you bring from home. Ask Mr. Hale before assuming you can add items from home to your build.

Daily Work/Homework

- None. This is an elective class and is designed to expose you to something new and hopefully interesting. The point of this class is not to become masters of engineering. As long as you are on task, there will be plenty of time in class to accomplish everything you need to.

Class Participation

In order to be successful and enjoy this class you must participate. Many activities are designed in such a way that students must work together in order to get the best outcome. Everyone's ideas are valuable if for no other reason than to be creative in finding solutions to challenges. Most grades will be based on how well you worked in your teams.

Course Grading and Attendance will follow the Weiser Middle School policies found in your Student Handbook

Course Policies and Information for Students

1. PENALTIES FOR LATE WORK

- a. Assignments/projects are due in class at the end of timeframe allotted for it. The only exceptions are for absences as explained in the Student Handbook.
- b. A late assignment will be marked down 40%