**Course Syllabus:**

8th Grade STEM 2021-2022

Ms. Reed

areed@madison-schools.com

**Course Description:** STEM introduces students to emergent technologies and careers using a project-based approach. Students will learn valuable 21st century workforce skills while solving problems through low-tech and high-tech means. Safety, Newton’s laws electronics and mechanics, and robotics are among the exciting and relevant topics offered in this course. Students will complete a comprehensive e-portfolio and capstone project to help demonstrate their mastery of course content.

**Unit and Competencies:**

Unit 1: Introduction Project, Orientation, and Student Organizations

Unit 2: Safety and Course Portfolio

Unit 3: Exploring Newton’s Laws

Unit 4: Applied Electronics and Mechanics

Unit 5: Capstone

**Materials Needed:**

1. A 3- ring binder or 3- prong folder to use for notetaking, class handouts, assignments, and class activities.
2. Pencil or pen
3. Back up pair of earbuds for your back pack.

**Classroom Procedures/Rules:**

Entering the lab

* Enter the lab quietly and sit in your assigned seat
* Put all backpacks, purses, and personal bags under the computer desk.
* Login to computer.
* Complete bellringer.
* Check canvas for daily assignments.

Existing the lab

* Save any work.
* Logout of the computer.
* Clean workstation.
* The teacher will dismiss you not the bell.

Rules:

1. Listen and follow directions.
2. Be respectful of the teacher and your classmates.
3. Be prepared for class with all needed materials. Your cellphone for personal use is not a needed material.
4. NO eating, drinking, or chewing gum.
5. **Do not change the computer settings and stay on teacher approved websites**.
6. Keep workstation clean and neat

**Consequences:**

* Verbal Warning or Redirect
* Parent Phone call
* Minor referral and another phone call. (don’t forget, minors add up for a larger consequence)
* Office Referral

\*A phone call home or email may occur at any point.

\*A serious offense will result in an immediate major office referral.

\*Cellphones are not permitted for personal use and do not have them out visible in class.

\* Supplies will be provided for students. There could be times throughout the year that a supply might be needed for a particular assignment.

**\*NEVER** hurts to have a backup flash drive to safe your completed work in case you submit a blank or wrong assignment. (or you can’t find your assignment in your files)

**Remind 101:**

Students and parents can sign up for Remind 101 to receive updates and reminders.

**Canvas:**

Assignments and any test/quiz will be submitted through canvas unless teacher provides a hard copy to complete.

**Absent:**

It is the student’s responsibility to make up any assignments missed. All assignments will be listed on canvas and see your teacher BEFORE you get a zero if you have any questions.

**Grades:**

A = 100 – 90

B = 89 – 80

C = 79 – 70

D = 69 – 65

F = 64 - 0

**Work Hard and Be Kind!**