

Inventions and Innovations Class Syllabus

Mr. Glenn Hannold

Email: ghannold@madisonschools.k12.va.us

Phone: 540-948-3783 Ext. 3040

Welcome to Inventions and Innovations! The objective of this class is to combine knowledge and good old fashioned creative design to develop inventions and solve problems using the power of technology. It's going to be an exciting year and I am so glad you can be a part of it!

Goals for the Year

Students apply the engineering design process to plan, build, and communicate inventions or innovations that address contemporary technological problems facing them, their community, and the world. This hands-on course allows students to apply creativity and innovation that emphasizes working in teams and the safe use of technological and engineering tools and equipment.

Standards for Accomplishing Our Goals

This class will be using a variety of learning tools, including Discovery Education STEM, Robot Academy, and extensive use of hands-on activities to allow students to experience the concepts we go over in class.

VDOE STEM Standards:

<https://www.doe.virginia.gov/teaching-learning-assessment/instruction/science-technology-engineering-mathematics>

Class Rules and Expectations

At Wetsel you're expected to adhere to our school expectations and norms:

Be Respectful

Show Kindness

Have Integrity

Be Responsible

Show American Citizenship

Bring to Class:

- Folder or 3-Ring Binder
- Pencil

Class Rules:

- Abide by the attendance policy set forth in the student handbook.
- Come to class prepared.
- Show your B.L.U.E.!

- We are privileged to have access to robots, 3D printers, and other cool but delicate equipment. Treat everything with the utmost care and respect.

Grades are calculated as follows:

- Classwork/Homework = 20%
- Quizzes = 30%
- Tests = 50%

Late Work:

There are two deadlines per quarter for late assignment submission. Any assignment that is not turned in by the respective 4.5 or 9 week reporting periods will remain a 0% in the gradebook.

For example, if an assignment was due week 2, it must be submitted by the 4.5 interim.

Please review the syllabus WITH a parent/guardian. I have read & understand the information within this syllabus and will seek to abide by school policies. I will ask if I have any questions or concerns.

Student Name (Please Print):_____

Student Signature:_____

Parent/Guardian Name(s) (Please Print):_____

Parent/Guardian Signature:_____