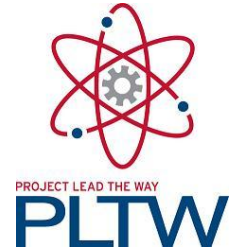


Project Lead the Way: “Robotics & Automation”

Morehead City Middle School – 8th Grade

Excellence. Every Day, Every Student!



Contact Information

Mr. Michael Stein

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Course Content

- What is Automation and Robotics?
- Mechanisms and Gears
- Intro to ROBOTC Programming
- VEX Automated Drag Race
 - Car that will travel 20', spin 180 degrees, and travel back to starting line
- Automation Project Rotation
 - Spinning Sign, Toll Booth, Stop Light, Grandma's Chair, Drawbridge, Elevator
- Space Transportation

Grading Procedures

All work in the class will be assigned a point value. The student's grade will be calculated by adding the points earned and dividing by the total possible points assigned. Late work may be accepted, but points will be subtracted as a penalty. Please direct any questions to the teacher within a reasonable time. Students are responsible for obtaining any work missed due to an excused absence.

General Information

- *Homework:* Due to the hands-on nature of this course, homework will not be assigned each day. On the occasions that homework is assigned, it is expected that the homework is completed at home the night before the assignment is due and brought to class to turn-in.
- *Supplies:* Student MUST bring a pencil (not a pen), 3-ring binder, and a notebook to class EVERY DAY. Many of the other supplies and materials needed throughout the course will be provided by the teacher, however, there will be specific supplies that are needed throughout the course and students may be asked to bring them in from home. It is also HIGHLY RECOMMENDED that each student comes to class with a flash drive of at least 2GB.
- *Attendance:* This is a very hands-on course. If a student is absent consistently, it will be hard to complete the work. When they return, they need to provide a note to the office and will be held accountable for completing the missing work.
- *Extra Help:* I am available almost every day before and after school for any student who is in need of extra help, or even simply extra time. Please see me a day in advance before planning to stay after school, or come in early.

Classroom Rules and Expectations

- Be Respectful
 - *People:* Students should be respectful of the teacher, classmates, and anyone else who may enter the classroom. Treat others the way you would like to be treated!
 - *Property:* Students should respect the property of the school, the teacher, and other students. In this class, students will be using expensive laptops, tools, and materials within this classroom. Students need to use this equipment safely and carefully to prevent it from breaking and needing to be replaced.
- Be Responsible
 - *Work and Materials:* Students will be held accountable to complete their work fully and on time. Students must keep organized and on task in order to know the assignments due dates and be sure work is complete on time.
 - *Punctual:* Students need to arrive to class on time. On time does not mean in the hallway, or just through the door! If a student arrives late to class, they will be asked to sign the late list within the classroom. If the student continues to arrive late, the student will be issued a lunch detention for each late starting with the third. If the problem persists, we will seek alternative action or a different plan with administration.
- Be Safe
 - Due to the hands-on nature of this course, throughout the year we will be using different tools, materials, and equipment. It is essential that students are not “goofing off” within the classroom for their own safety, as well as the safety of others.
 - Students need to keep their hands to themselves and their belongings. Two students could cause harm to others by messing around!

If any of these expectations are violated, the student will first receive a verbal warning or redirect. If the violation persists after a verbal warning, the student will be removed from their section, sitting somewhere in the class where they will hopefully stay out of trouble. If the action persists, the student will be assigned Lunch Detention and/or Bounced to another teacher’s class. However, the teacher may use an office referral, if need be, at any time.

I look forward to working with you, the parents/guardians and the students, throughout this year. If you have any questions, please email me at Mike.Stein@carteretk12.org or call the school (252) 726-1126 and we can discuss any issues or concerns you may have.

Thanks,

Mr. Michael Stein