

Robotics Syllabus 2020-2021

Teacher: Ms. Lexie Tisdale

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Room 200

Course Content Access: <https://curriculum.vexrobotics.com/>

Course Overview: VEX EDR Curriculum is divided up into 12 primary Units and 1 optional Unit. Students will start off learning about engineering and engineering problem solving. They will be given introductions to VEX EDR and Autodesk® Inventor®. In Unit 5 students will be presented with an engineering challenge; they will need to build a robot to play a sport-like game. After this, the rest of the curriculum walks students through the design of their robot while presenting them with relevant STEM and Robotics principles. At the end of the course, students compete head-to-head with their robots.

Course Fee and Materials:

- \$30 class fee to cover the cost of robotic supplies and materials
- Notebook or 3-ring binder with college ruled paper
- Pencil
- If you have any tools such as screwdrivers, pliers or allen wrenches, etc. you may bring those to class.

Classroom Rules and Expectations:

1. **Be Respectful**- To the teacher, other students and yourself.
Do NOT have your cell phone or any other device out, unless instructed by the teacher.
2. **Be Responsible**- Be on time for class. Have all your materials when you come to class. Turn in all assignments on their due date. If you are absent, you are responsible for getting any missed notes or assignments.
3. **Be Honest**- Do not lie, cheat or plagiarize. Consequences will be administered according to the ECBOE and SHS Code of Conduct.
4. **Be Positive**- You are awesome! You can do math! Having a positive “I can do this” attitude will only help you succeed.
5. **Do Your Best**- Complete all work. Be motivated to learn. Set goals to succeed. There is greatness inside everyone!

All rules and expectations in the ECBOE and SHS Handbook and Code of Conduct apply!

Covid Procedures:

We will follow the ECBOE and SHS guidelines and procedures. It is important that you also do your part by wearing a mask that covers your nose and mouth, wash your hands, and if you are experiencing symptoms please do not come to school.

Schools PLP:

SchoolsPLP is an online resource that we will use to complete and turn in assignments. It is an online learning platform similar to Google Classroom like we have used in the past. Each student can utilize this like an online textbook with assignments built in. It is designed to work on any device that connects

to the internet. However, a tablet or laptop may make it more user friendly. Each student will receive their login information from their homeroom teacher.

Syllabus Agreement Form

Thank you for taking the time to review this syllabus. By signing below you agree that you have read and accept the terms presented in this syllabus. If you have any questions or concerns about any of the content above please feel free to contact me at lexie_tisdale@ecboe.org. This form is due no later than **Tuesday, September 1st.**

Fill out the form online:

<https://forms.gle/2XjvPKCaN43YhDrB6>

Student: I have read this syllabus and understand all of the information contained in it. I agree to abide by all of the rules and expectations listed.

Printed Student Name _____

Student Signature _____ Date _____

Student has computer access at home.

Student has internet access at home.

Parent/Guardian: I understand all of the information contained in this syllabus and I have reviewed it with my child. My child has agreed to abide by all of the rules and expectations listed. (Note: Any Accommodations/ Modifications for students will be implemented according to their IEP or 504 Plan.)

Printed Parent Name _____

Parent Signature _____ Date _____ Parent's
email to use for correspondence _____

Parent has computer access at home.

Parent has internet access at home.

Any special notes you would like the teacher to know: