

Oak Park High School
Introduction to Robotics
Distance Learning/Hybrid

August, 2020
Mr. Amerikaner
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In a flexible format, students learn about engineering and engineering problem solving. They will be given introductions to VEX SnapCad; Lego Digital Designer, and Autodesk® Inventor® while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles; as such, programming is NOT required. Students will walk through the design and build a virtual robot to play a sport-like game. During this process they will learn key STEM principles, and robotics concepts. The curriculum is created to ensure that students with varying learning styles and levels can accomplish the lesson goals. No prior robotics experience is required; beginners are able to advance sequentially through the units to gradually increase their knowledge and skill level.

Course Expectations:

- ✓ **Students will adhere to OPUSD attendance policy.**
- ✓ Students are responsible for following all District, OPHS, and classroom rules and directions.
- ✓ Students will be using their school G accounts. DO NOT share this information with other students. Students will **not** be excused from assignments if the work “is lost” from the student’s work folder. Students are responsible for their own folders and correct saving of their work.

Academic Honesty:

Students will not misrepresent class work, research assignments, class projects, examinations and homework assignments as their own, when in fact, they are the work of someone else.

Grading Policy:

Students will be graded on the point systems. Students will receive grades for their submitted assignments, lab work, quizzes, tests. In addition, students will receive points for class participation, which includes ability to collaborate, behavior and cooperation. Grades will be posted on the District “Q” Website. Each student and family will have access to the student grade.

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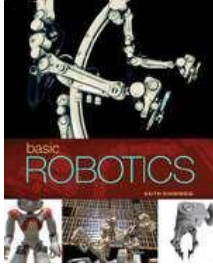
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Make-up and Late Work Policy:

It is the student's responsibility to find out what she/he missed during their absence. Assignments are posted and updated on the class Google Classroom. Assignments will be accepted one week past the posted due date for one-half credit. After the past-due date, the student will receive a zero for the assignment.

Resource Textbooks and on-line Materials:



Various instructor handouts and on-line reading and research.

Parents and students are welcome to contact me anytime through email eamerikaner@opusd.org.
I will return your message as soon as possible. I look forward to working with your student this semester.
Thank you. Mr. Amerikaner

Students will access classroom from Google Classroom and Gmeets.

Please follow the directions below:

Assignment # 1

This is a graded assignment, worth 10 points.

1. From your **school** Email address send an Email to: eamerikaner@opusd.org
2. In the Subject Line: **Your First and Last Name and Class Period-** For example: Steven Spielberg Period 3
3. In the Body of the Email: Three (3) complete sentences giving **your** goals for this class---What do you want to learn?

Assignment # 2

This is a grade assignment, worth 10 points.

1. Ask your **parents** to send an Email to: eamerikaner@opusd.org
2. In the Subject Line: **Student: First and Last Name and Class Period-**For example: Steven Spielberg Period 3
3. Please confirm you have reviewed the syllabus; **AND tell me THREE (3) wonderful facts about your student.**