

Robotics II – Syllabus 2013 – 2014

Course Description:

By the end of the semester, students will be able to design, build, program, test, and modify their Robots to complete specific multi-stepped challenges.

Course Outline:

❖ 1st Six Weeks

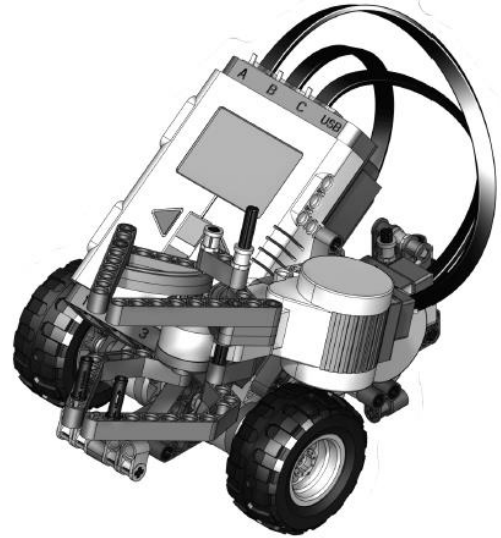
- After a brief review of Robotics I, students will focus on designing, building, and programming more complex Robots.
 - Organization
 - Research and Categorize Types of Robots
 - Begin Advanced Programming
 - Complete 2-3 Robot Challenges Independently

❖ 2nd Six Weeks

- Students will continue to design, build, and program more complex Robots that utilize various sensors.
 - Organization
 - Design and Build Robots of their choice
 - Complete 2-3 Robot Challenges Independently

❖ 3rd Six Weeks

- Students will design, build, and program more complex Robots that utilize various sensors.
 - Organization
 - Continue Advanced Programming and using multiple sensors
 - Design, Build, and Program Robots of their choice
 - Complete 2-3 Robot Challenges
 - Students will have the opportunity to showcase their Robot at the **Robo-Olympics** Evening Event.



Grading Policy:

- Grades are calculated by averaging the following weighted categories:

<ul style="list-style-type: none">○ Participation 20%<ul style="list-style-type: none">▪ Daily Sponges▪ Daily Participation Points○ Robotics Notebook 15%<ul style="list-style-type: none">▪ Folder Organization▪ Notebook Quizzes▪ Final Notebook Check○ Class Assignments 20%<ul style="list-style-type: none">▪ Daily Work/Assignments▪ Challenge Reports	<ul style="list-style-type: none">○ Problem Solving 15%<ul style="list-style-type: none">▪ Daily Problem Solving Log○ Performance Assessment 20%<ul style="list-style-type: none">▪ Challenge Demonstration▪ Teacher/Student Assessment Conferences○ Proficiency Assessment 10%<ul style="list-style-type: none">▪ Robotic Skill Mastery Assessment
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- Work may be turned in late, by the end of the grading period, for partial credit.
- Grades will be calculated in accordance with JCPS standard grading scale:

○ 93 – 100%	A
○ 86 – 92%	B
○ 79 – 85%	C
○ 70 – 78%	D
○ Below 70%	U

