Robotics 11
Course Outline

Course Layout   *The course is broken down into six units:*

Unit	Topic
1	An Exciting Future!
2	Designing a Bot
3	Task-Based Design
4	Sensors & Actuators
5	Social Responsibility
6	Reveals & Careers

Grading   *Your grade for this course will be calculated as follows:*

Item	Weight
Learning Guides	15%
Unit 1 Build, Programming, & Notebook	7%
Unit 2 Build, Programming, & Notebook	8%
Unit 3 Build, Programming, & Notebook	10%
Unit 4 Build, Programming, & Notebook	15%
Unit 5 Build, Programming, & Notebook	20%
Final Reveal	25%

Prerequisites

Although Electronics and/or Robotics 10 would provide an easier entry into this course, there are no required prerequisites.

Credits

Depending on your district and/or teacher's focus, this course can be used as either a Board Approved course or as Robotics 11 (PLO's).

Learning Guides

You can work on Learning Guides and Projects at the same time, but you should review all of the expectations in the Learning Guide as you start a Unit. (There may be knowledge in the Guides that is critical to the work expected from you.)

Projects (Robot Builds/Programs):

As you work through units use the projects to enhance your understanding in areas or interest and/or your strengths and weaknesses. This knowledge will be used, in Units 5 and 6 to potentially lay out post-secondary, and beyond, goals and plans.

Equipment:

There are different ways for you to take this course. If you are in a school class, then your school will provide you with hardware and recommended software. If you are taking this course via Distance Learning then you, and your instructor, need to talk about what you have available and what, if any, materials the instructor can provide.

Keys to Success:

1. Be in touch. Your teacher can't read your mind or really know the challenges you face. Talk with them early and often. Use the message system for regular communication with your instructor and to summarize any agreements that you have come to with your teacher. (**Teachers want to help. Let them**.)
2. Use the Learning Guide and your Engineering Notebook as your tool for documenting your understanding. Neatness, detail and clear organization are important skills to demonstrate.
3. Make sure you understand all project requirements. If you can't figure it out - ASK!