**Challenge 6 Robotics**

**Teacher: Cathy Glick**

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This six weeks activity class is a hands-on introduction to robotics programming.

Students will use problem solving skills to use the programming techniques learned to program their robot to perform a task.

Moving Forward Touch Detect

Right/Left Turns Sonar Detect

Sound Sensor Calculating distance

“Robot Personality” Multi-step Programs

Follow the Line

Project – Perform a Task

*Late/Missing work will be made up if possible when the student returns to class.*

**Materials Needed:**

None

**Grading:**

The grading policy will be as follows:

Class participation 30%

Daily work 20%

Project production 30%

Final project 20%

 100% total

**Grading Scale Class Rules**

A+ 99.5 – 100 1. Enter class quietly

A 90.5 – 99.4 2. Open notebook to class section

A- 89.5 – 90.4 3. Sit quietly till class begins

 4. Put forth every possible effort to work cooperatively

B+ 88.5 – 89.4 5. Be a good partner on group projects

B 80.5 – 88.4 6. Everyone works together with EQUAL effort

B- 79.5 – 80.4 7. All work goes in basket or binder before leaving

 8. Wait in your seat to be dismissed

C+ 78.5 – 79.4

C 70.5 – 78.4

C- 69.5 – 70.4

D+ 68.5 – 69.4

D 60.5 – 68.4

D- 59.5 – 60.4

F 59.4 and Below

During class students may go to the restroom or for a drink break one time only. They must sign out with the time and the reason for leaving.

They must take a pass from the red basket with them. Passes are available for restroom, copy/BIP room, guidance and office runner.

Library passes can be used if their work is done and students would like a book.