
LEGOS ROBOTICS – EXTRA CREDIT

- 1) (2% pts) Build your own Lego Mindstorms robot. Be creative and have fun. Design a program using both conditional and repetitive programming structures. Use the following criteria when programming your robot.
 - a. Your robot must use a minimum of two sensors.
 - b. Your program must do more than simply move the robot around a room. It should also do at least one of the following: make a sound, move an appendage (i.e. pick up a ball, throw a ball), etc.
 - c. You may use one of the programs included in the Robot Education Common Palette or Complete Palette to start with but you must expand upon the program. The example programs will not be accepted.

➤ Will demo in class.
- 2) (1% pts) Write your program out in pseudocode. You may use the pseudocode from chapter 5 in the textbook or implement your own. If you implement your own pseudocode you must include a key explaining any non-standard syntax. Include both your pseudocode and a NXT program snip and upload into Moodle.