

Engineer: _____

BattleBots - Final Project

Goal:

- 1) Build and Program a robot capable of either fighting other robots or defending itself.
- 2) Each robot will be equipped with a balloon. The goal of the challenge is to pop the balloons on the other robots and/or protect your balloon from being popped.

Rules:

1. Robots will be built with NXT pieces only (with the exception of a thumbtack and a small piece of velcro)
 - the small piece of velcro will be used to attach the thumbtack to the robot on the day of the competition
2. All robots must involve some programming done through Mindstorms
3. Robots can use the sound sensor and/or the ultrasonic sensor. Light/Sound sensors will not be very useful for this assignment)
4. You get to chose the location of both the thumbtack and the balloon (both will be added on competition day)
5. You have three weeks to complete this challenge.

(Flip over for Planning)

Planning your Battle Bot

What sensor(s) do you plan to use?

What will you program the sensor(s) to do?

Where will the sensor(s) be attached to best fit the program?

How will your robot move? How many motors will you use?

What else could you use motors for?

Will your robot be an “attack robot” or a “defense robot”? Explain.
