|  |  |
| --- | --- |
|  | **MazeBot Challenge Part 2 Rubric** |

You will have 2 days to build your “Comp Bot 2.0”, and 4 days to program it to move through 2 progressively difficult mazes in order to earn the highest amount of points. During this challenge you will learn to use a remote control with your robot while also programming it to move autonomously through the “No Radio Zones”. To determine a winner for this challenge the point values for each maze are listed below…

**Successfully Deliver Supplies at the end of Maze 1** = 100 points

**Successfully Deliver Supplies at the end of Maze 2** = 200 points

**Each “No Radio Zone” Completed** = 300 points

**Each Zombie Knocked Over** = 10 points

**Drive outside of the course** = -10 points for each instance of both wheels crossing the boundary line.

**Speed bonus:** 1st to complete a maze = 50 points (then decreases by 10 points by each student completion i.e. 1st = 50 points, 2nd = 40 points, 3rd = 30 points)

|  |
| --- |
| **MazeBot Challenge Part 1 Scoring Rubric** |
| Student builds a working Comp Bot 2.0 | \_\_\_\_/20 points |
| Student completes Maze 1 | \_\_\_\_\_ / 30 points |
| Student completes Maze 2 | \_\_\_\_\_/ 20 points |
| Student scored highly by teammate on MazeBot 2 Peer Review | \_\_\_\_\_/ 10 points |
| Student thoroughly completes the MazeBot Challenge Part 1 Reflection page. | \_\_\_\_\_/ 20 points |

 **Total \_\_\_\_\_/ 100 points**