

## Criteria and Constraints Sheet

### Criteria:

- Maximum of three blades
- The blades must be made out of filament and printed on the MakerBot (Note: if a 3D printer is not available, use recycled materials such as plastic, paper, or aluminum. See “Materials List” for more details)
- You must use the battery and leads to move the vehicle
- You may not push your vehicle at any point
- The racer must travel at least 20 feet
- You must race at least 3 times
- Sketch your vehicle design

### Constraints:

- Vehicle cannot be bigger than 10 inches long and 8 inches wide
- Blades cannot be thicker than 1 millimeters
- Blades cannot exceed 110 mm by 25 mm in size
- Once your blades are printed, those are the only blades you can use
  - Any modifications made will be on the car itself

Sketch your design here:



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_