

Name _____

Pasta Pod Challenge

- _____ Drawn Design w/ scale (15 pts)
and measurements (cm)
- _____ Individual Data Table w/
trials and average distance (5 pts)
- _____ Competition Data Table w/
team averages (10 pts)
- _____ Speed - method, test, results (10 pts)
- _____ Modification to Pasta Pod for
Newton's 3rd Law of Motion (10 pts)

Conclusion 50 pts.

- _____ Question 1 (10 pts)
- _____ Question 2 (10 pts)
- _____ Question 3 (10 pts)
- _____ Question 4 (10 pts)
- _____ Question 5 (10 pts)

Pasta Pod (Separate Grade)

- _____ **Engine Trouble:**
Leaves Pasta Pod in Garage - Completed Pasta
Pod but did not attempt to race (70)
- _____ **Spark Plugs Missing: (80)**
Pasta Pod travels 20 cm past ramp
- _____ **Engine Sputtering: (85)**
Pasta Pod travels a minimum of 60 cm past
ramp
- _____ **Middle of the Pack: (90)**
Pasta Pod travels a minimum of 100 cm past
ramp
- _____ **Checkered Flag in Sight: (95)**
Pasta Pod travels a minimum of 140 cm past
ramp
- _____ **Champion! (100)**
Pasta Pod exceeds 180 cm past the ramp
- _____ Extra Credit - Newton's Third Law
Design Demonstrated (10 pts!)

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