



Bottle Rocket Project

Your mission, should you choose to accept it, is to ...

- design,
- construct, and
- test a bottle rocket.



Specifications:

1. The rocket must not be from a kit.
2. It should incorporate factors to minimize air resistance on the flight upward. This should be balanced by drag at the tail to ensure a straight path.
3. The rocket will gain marks for maximum height. Extra marks will be awarded for rockets that incorporate a parachute for maximum time of flight.
4. You may do the project alone or in partners. However, collaborative efforts will be expected to show a greater time investment.
5. The rockets will be launched using the same air pressure. However, the amount of water in the bottle at launch time is to be determined by each student.

Evaluation:

Scoring will be out of 50



10 points for a detailed design: due _____



10 points for construction and appearance



30 points for maximum height

...this handout will self destruct in 2 weeks. The test date will be _____.
Your project **cannot** be late or it will miss the test day.