

Name:

Period:

PROJECT 6 – NEWTON SCOOTERS

BACKGROUND

We have become familiar with how to measure motion, and we have been developing a working vocabulary that will help us describe motion and changes in motion. We understand Newton's laws of motion, and we are developing our knowledge of gravity, friction, and pressure.

ASSIGNMENT

You must build a vehicle that:

- Is mostly (75%) self-constructed (adults can help some)
- Travels at least 3 meters (more is better)
- Does not leave the ground (may be cause for immediate disqualification)
- Does not use electricity to power its motion
- Does not use a "slingshot" mechanism

No class time will be spent constructing the scooters. If you are done with all of your responsibilities in glass shop, you may ask Mr. Bob for permission to work on your scooter during your normal art class time. Otherwise, construction must take place at home.

You will also write a summary of your scooter, including diagrams.

TIMELINE

DATE	EVENT
May 23 rd	Project introduced
May 28 th	Design concept diagram due
June 4 th & 5 th	Vehicle Presentations
June 5 th	Vehicle summary papers due

GRADING

Vehicles and summaries will be graded on the following criteria

- Vehicle conforms to all specifications stated in the assignment section above
- Summary is well written and thorough, based on specifications to be handed out later

