

Newton's Scooters

100 Points

For this project, you will have to construct a vehicle that will go as far as possible using an unbalanced force to create motion.

In order to do this, you will be using Newton's 3rd Law of Motion:
For every action, there is an equal and opposite reaction.

Rules

- Construct a vehicle that can travel at least 2 meters. The vehicle must stay within a 1-meter wide path.
- No force may be applied to the vehicle by the student at any time.
- The vehicle must be made of recycled/reused products. No pre-made vehicle parts allowed.
- The vehicle must travel using an unbalanced force to create motion.
- Students are not allowed to help the vehicle along the path.
- Students are not to use electricity, fuel cells, or the force of gravity to launch their vehicle.
- Students will create a final presentation in the form of a poster or power point to present to the class.
- Students can work by themselves or in groups of no more than 3 students.

Vehicle designs are due Thursday, September 27, 2012.

Final presentations and vehicles are due Friday, October 5th, 2012.

Projects will be assessed on completion of requirements, design, effort, and participations of group members. See rubric for final grading information.