

### **Beach Buggy: Constant Velocity Activity (Not a lab)**

**Groups of two:** \_\_\_\_\_

**Objective:** In this activity we will be investigating the constant velocity equation  $d=vt$ . Using this equation, create an experiment that can determine the velocity of your beach buggy.

**Explain the Experiment:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Data Collected (ensure you have enough data to get an accurate speed. Use averages)**

**Discussions and Errors:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Calculated speed =** \_\_\_\_\_

**Calculated time =** \_\_\_\_\_

You will now compete in a race down the hallway by the library. This race is not about being the fastest, but rather it is about being the most accurate. The race will be 20m long and each team must calculate how long it will take their buggy to complete the race.