

## Lab: Projectile Motion

Name:

**Objective:** Predict the landing point of a projectile. You will launch a hot wheels car from the lab bench into a can that you position on the floor. You have one attempt.

**Setup/Method:** Design a method for solving the problem. Write a detailed list/description of your plan. Sketch your setup.

**Data:** Make observations and measurements about your car and lab setup. You must record data in a neat and organized manner.

**Results/Calculations:** Calculate important values based on the measurements and make a final estimate of the can's location. Show your calculation steps and record answers in an organized manner.

**Conclusion:** Compare your results with your predictions. Did you complete the challenge in the first try? What role did you play in the group? List some of the assumptions that were made and possible reasons for your projectile results. Continue on another sheet of paper if needed.