

# Science Lesson Plan

Title: Speed Lab / Acceleration Lab

Date:

5A.1.c

**VSC Objective/Assessment Limits:**

- Develop explanations that explicitly link data from investigations conducted.
- Review data from a simple experiment, summarize the data, and construct a logical argument about the cause and effect relationship.

**Student Objective:**

- Develop an explanation of motion using the relationship among time, distance, velocity, and acceleration, through experimenting.
- Compare accelerated and constant motion using time, distance, and velocity.

Warm Up	- Does height effect Speed or acceleration in an object?
Motivator	- Demonstrate the Procedure to the lab experiment.
Direct Instruction (I do)	- Discuss the Problem (question) to the Lab experiment. - Predict the outcomes. - Discuss materials (proper use), procedure, and Data sections on lab write.
Guided Practice (We do)	- Explain the expectation for organizing the data results in a Chart form. - Explain how to write a proper Conclusion to summarize the lab results / outcome.
Independent Work (They do)	- Write a hypothesis statement to predict outcome of experiment. - Perform the Procedure section of lab. - Write Conclusion to the lab.
Differentiation	N/A
Summary	Does the height of a ramp effect the speed/acceleration of a matchbox car.
Reflection	