

Science of Speed 2: Let's Get Moving! Scope and Sequence

(3-week course)

Note: This unit requires 11-13 class periods.



Teacher

Students

0 class

Online setup

- Set up your account and log on to the online portion of the Science of Speed 2 curriculum. Instructions for doing so can be found on the "Accessing the online portion of the curriculum" sheet.

1 class

Pretest or Rubric (optional)

- Decide whether your class will use the multiple-choice assessments or the rubric. Depending on your choice, either distribute and administer the pretest or distribute and discuss the rubric.
- Take the pretest or study the rubric.

1 to 2 classes

Starting Line: Pop Can Engine Demonstration

- Read the teacher instructions and watch the "How to Perform the Pop Can Engine Experiment" teacher video on the site.
- Prepare the necessary materials.
- Perform the experiment as described in the teacher instructions. Have students reference the "Pop Can Engine" discussion page and follow along with their "Pop Can Engine" worksheets.
- Watch and discuss the teacher-led pop can engine experiment.



Teacher

Students

2 classes

Phase 1: Variable Balloon Staging: Part 1

- Read the teacher and student instructions for Phase 1.
- Gather all materials necessary before class.
- Have students watch the *Let's Get Moving*, Phase 1 video available on the online portion of the Science of Speed 2 curriculum.
- Have students follow the Phase 1 directions in the student workbook.
- Watch the *Let's Get Moving*, Phase 1 video.
- Follow the Phase 1 directions in the student workbook.



Teacher

Students

2 classes

Phase 1: Variable Balloon Staging: Part 2

- Read the teacher and student instructions for Phase 1, Part 2.
- Gather all materials necessary before class.
- Have students watch the *Let's Get Moving*, Phase 1, Part 2 video.
- Have students follow the Phase 1, Part 2 directions in the student workbook.
- Watch the *Let's Get Moving*, Phase 1, Part 2 video.
- Follow the Phase 1, Part 2 directions in the student workbook.