

Force and Motion

Jan. 14, 2020

Day 2/82

At the end of today's lesson you will be able to determine;

- How do forces affect motion?

Classwork-

- Force and Motion 1.3
- This lesson begins with students generating ideas about what various arrows and lines might mean in scientific diagrams that represent how objects move. This prepares them for encountering the visual representations in the Force and Motion Simulation (Sim).
- After becoming familiar with the Sim, students explore how they can use this digital tool to make an object's velocity change in different ways.
- Then, students use the Sim to gather evidence about how forces cause specific velocity changes. In this activity, they determine the direction in which a force must be exerted to achieve specific velocity changes.
- The purpose of this lesson is for students to learn how an object's velocity can be affected by forces in different directions relative to the initial motion of the object.

Homework-

- For homework, students focus on the crosscutting concept of Cause and Effect as they sort different effects according to the force that caused them.
- Finish up all of the activities in the Force and Motion section 1.3.
- Review the vocabulary terms we will use in this unit. Force and Motion Quizlet.