

FORCE AND MOTION

NEXT GENERATION SCIENCE STANDARDS

Jan. 17, 2019

Day 2/86



At the end of today's lesson you will;

- 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.

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. Complete the Force and Motion 1.3.5 Homework.
- Review the Force and Motion unit vocabulary terms on QUIZLET.