

FORCE AND MOTION

NEXT GENERATION SCIENCE STANDARDS

Jan. 29, 2019

Day 1/93

At the end of today's lesson you will;

- How do forces affect motion?

Classwork-

- Force and Motion 2.3
- Students deepen and demonstrate their understanding of the relationship between mass, force, and velocity.
- To begin, students use the Sim to test how equal forces exerted on objects of different mass affect their motion. Inspired by the need to apply their ideas to a new task—designing a wheelchair that would perform well for basketball players—students return to “Designing Wheelchairs for All Shapes and Sizes” to see how forces exerted on wheelchairs of different mass affect their velocities.
- A Modeling Tool activity helps students segue from wheelchairs to space pods, specifically to ideas about this pod's mass and the two unit claims. They create visual models for each claim that offer tentative answers to the Chapter 2 Question.

Homework-

- Complete the Force and Motion 2.3.4 homework section by writing scientific explanations for both claims: how a change in mass (the number of asteroid samples) could have caused the pod to move away from the space station, either before it got there or after a collision.
- Review the Force and Motion unit vocabulary terms on QUIZLET. Vocabulary Test TOMORROW.

