

# FORCE AND MOTION

NEXT GENERATION SCIENCE STANDARDS

*Jan. 15, 2019*

*Day 4/84*

**At the end of today's lesson you will;**

- How do forces affect motion?

**Classwork-**

- Force and Motion 1.2 Science folder check.
- Students are introduced to their role as student physicists working with the Universal Space Agency (USA) to determine what happened to an asteroid sample-collecting pod that went awry.
- The space agency lost contact with the pod for a few seconds, and rather than stopping and docking at the space station as planned, the pod moved in the opposite direction.
- To prepare for the investigation, students share initial ideas about two claims that might explain what happened to the pod.
- After that, they conduct a hands-on investigation about changing an object's motion, both from a stationary starting position and as an already-moving object.
- Students determine the five ways that the motion of an object can change and begin to develop an understanding that forces cause changes in motion.

**Homework-**

- Complete the Force and Motion 1.2.5 Homework.
- Review the Force and Motion unit vocabulary terms on QUIZLET.

