SCIENCE

FEB. 2, 2018 **DAY 3/95**

 ***AT THE END OF TODAYS LESSON YOU WILL;***

USE WHAT THEY HAVE LEARNED ABOUT VELOCITY AND FORCE STRENGTH TO HELP THEM EXPLAIN WHAT COULD HAVE HAPPENED TO THE POD DURING THE MISSING SECONDS.

CLASSWORK-

- **FORCE AND MOTION 2.1**
- TODAY, STUDENTS BEGIN TO INVESTIGATE MASS. AN OFFICIAL MESSAGE FROM USA LETS STUDENTS KNOW THAT THIS POD'S THRUSTERS EXERTED THE SAME FORCE AS OTHER ACM PODS, SO A NEW EXPLANATION IS PROPOSED: COULD THE FAILURE TO DOCK HAVE BEEN A RESULT OF THIS POD COLLECTING A DIFFERENT NUMBER OF ASTEROID SAMPLES THAN PODS ON OTHER MISSIONS?
- TO INVESTIGATE THIS IDEA, STUDENTS FIRST WORK WITH PHYSICAL MATERIALS TO EXPLORE HOW EXERTING THE SAME FORCE AFFECTS OBJECTS OF DIFFERENT MASS.
- STUDENTS BUILD ON THEIR OBSERVATIONS BY CONDUCTING TESTS ON STATIONARY AND MOVING OBJECTS IN THE SIMULATION.

HOMEWORK-

- COMPLETE AND SUBMIT THE SECTION FM 2.1, ACTIVITY 3 SIM.