



Content Standards

The following California Content Standards form the basis for USS Midway Museum's Grade 8 Science Program, "Onboard With Newton's Laws":

California Science Content Standards: Focus on Physical Sciences:

Forces

- 2 Unbalanced forces cause changes in velocity. As a basis for understanding this concept:
 - a. Students know a force has both direction and magnitude.
 - b. Students know when an object is subject to two or more forces at once, the result is the cumulative effect of all the forces.
 - c. Students know when the forces on an object are balanced, the motion of the object does not change.
 - e. Students know that when the forces on an object are unbalanced, the object will change its velocity (that is, it will speed up, slow down, or change direction).
 - f. Students know the greater the mass of an object, the more force is needed to achieve the same rate of change in motion.