

Appendix A- Implementing Common Core Standards

OA1.1	Understand force and motion.
OA1.1.1	Compare weight and mass.
OA1.1.2	Classify types of force (gravity, friction, magnetism).
OA1.1.3	Describe the effects of force (gravity, friction, magnetism) on an object's weight and motion.

High school students are naturally curious about everything that is happening around them, and through my unit I plan to help spark that curiosity in our students. This year we will take this curriculum to the next level and explain to our students the role that physics plays in their everyday lives. We want our students to understand that physics exists in the car we ride in, the chairs we sit in, rockets, amusement parks, and our television and literally every object we can see or touch. Using Physics we can explain how a car works as we drive it and how force affects everything. Physics is the science of matter and its motion, space-time and energy. Physics describes many forms of energy such as kinetic energy, electrical energy, and mass; and the way energy can change from one form to another.