

Background Information

Teaching is an art and there really is no one way to teach and reach all students. It takes your unique and creative approach. These learning activities will enhance and augment your implementation of Motion and Stability—Forces and Interaction. Hence,—**this is not a ‘no prep’ type resource**. Many of the activities included will be suitable for small group, whole group and center based learning. There are many inquiry opportunities provided in the learning activities.

Many of the printables can be glued into student interactive books.

Common core aligned and NGSS aligned 3-PS2 Motion and Stability: Forces and Interactions

The main idea is “What makes things move.”

You may wish to introduce the unit with some of the discussion questions provided using brainstorming, elbow chats or think/pair/share strategies to get the students engaging in minds on about forces and motions.

The lab activities can be completed as rotating learning centers, small groups or whole groups.

PLEASE NOTE—Inquiry and Scientific planners are recommended for use with the labs, they are provided.

It is recommended that the task cards be completed after the students have been introduced to the concepts and have completed some of the activities about motion, force and friction.

Key Vocabulary:

Position—the location of objects

Force—a push or a pull that causes an object to move

Motion—a change in position

Distance—the amount of space that is between two objects, a measure of how far

Friction—a force that occurs when one object rubs against the other

Gravity—pulls objects toward earth, a pulling force

Magnet—an object with a magnetic force—attracts many objects made of metal

Speed—a measure of how quickly or how slowly an object moves

Direction—where an object moves from one moment to the next

Assessment should be ongoing in the form of anecdotal notes of observations and responses to questions like ‘why do you think’, what if.... (Related to the ‘I Can’ statements).