



Dear Parents,

We are beginning our second unit during the 2nd six weeks. The students will learn about potential and kinetic energy as well as balanced and unbalanced forces. We will also be working with inclined planes. The following standards will be covered, and your child will be expected to do the following:

- compare and contrast potential and kinetic energy;
- identify and describe the changes in position, direction, motion, and speed of an object when acted upon by unbalanced forces;
- calculate average speed using distance and time measurements;
- measure and graph changes in motion; and
- investigate how inclined planes can be used to change the amount of force needed to move an object.

We encourage you to talk to your child about what they are learning in class. Here are some questions that you can ask your child throughout this unit.

- How is potential energy converted into kinetic energy?
- What is force? What is motion?
- What is the difference between balanced and unbalanced forces?
- How can unbalanced forces change the motion of an object?
- How can the speed of an object be measured?
- What are some examples of inclined planes?

If your child struggles with any material taught during this unit, we would urge you to make sure your child attends tutoring for assistance to gain a better understanding and demonstrate mastery. If you have any questions or concerns please don't hesitate to contact your child's teacher. We look forward to your child's continued success in Science this year.

Sincerely,

The 6th Grade Science Team