

PARENT NEWSLETTER

Welcome to the wonderful world of science! The next few weeks will prove to be an interesting journey for your child as he or she explores Work and Simple Machines. There will be exciting hands on investigations in the classroom and in the Science Lab. Your child will participate in many different activities that will include educational games, science experiments, data collection, listening comprehension, creating graphs and predicting. The following outline will enable you to ask your child questions based on the concepts they learned during that investigation.

INVESTIGATION 1

Exploring Forces

INVESTIGATION 2

Understanding Work

INVESTIGATION 3

Simple Machines: The Pulley

INVESTIGATION 4

Simple Machines: The Lever

INVESTIGATION 5

Simple Machines: The Inclined Plane

Sample Questions:

- What is the relationship between the mass of a load and the force needed to lift it?
- What is the formula used to calculate work?
- Describe the advantage of using a pulley.
- How does moving the fulcrum of a lever affect the force required to lift a load?
- How does the steepness of an inclined plane affect the effort needed to lift a load?

Your child will be completing a Scientist Data Record during the next few weeks. Upon completion of Work and Simple Machines, your child will be bringing their Data Record home. Please take a few minutes and look at and discuss your child's work. If you have any questions about this Core Experience Learning Lab, please write a note or contact me at school. Thank you for your cooperation.

Sincerely,
