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5TH GRADE FIELDTRIP PLAN

Arp 5th graders 2011-2012

Visiting quarterly (one lesson per unit)

Thursday, September 29

Unit: Forces and Work

Lesson: Force, Work and Simple Machines

Activity: Simple machine stations, students test out the difference between using a simple machine to move a load vs. moving it without the machine.

Wednesday, December 7

Unit: Changes in Energy

Lesson: Types and Forms of Energy

Activity: Experiment on model wind turbine blade designs, students create and test out different blade designs to see which are most efficient.

Thursday, February 9

Unit: Properties of Matter & Energy

Lesson: Thermal Energy

Activity: Build model hot air balloons and experiment on the effects of different sized balloons

Tuesday, April 17

Unit: Forms and Uses of Energy

Lesson: Electricity

Activity: Build lemon batteries, vinegar batteries and coin batteries and test to see which one produces the highest voltage.