Electricity & Magnetism
Lab Directory

Lab 1 - Basics of Energy Production 1
  Activity 1 - Energy Conversion Simulations
  Activity 2 - Repeat the Heat*
  Activity 3 - Geothermal Energy

Lab 2 - Basics of Energy Production 2
  Activity 1 - PiezoPopper
  Activity 2 - Solar Energy
  Activity 3 - Kill A Watt*

Lab 3 - Electrostatics
  Activity 1 - Charging Objects by Friction
  Activity 2 - Electrical Forces Between Objects
  Activity 3 - Van de Graaf Generator

Lab 4 - Electrostatics: Detection of Charge
  Activity 1 - Using the Electroscope to Detect the Presence of Charge
  Activity 2 - Conductor or Insulator
  Activity 3 - Movement of Charges in a Conductor

Lab 5 - Charging by Induction
  Activity 1 - Charging the Electroscope by Induction
  Activity 2 - Induction Applications
  Activity 3 - Electrophorus

Lab 6 - Magnetism and Electromagnetism
  Activity 1 - Properties of Magnetism and Magnetic Fields
  Activity 2 - Oersted's Experiment
  Activity 3 - Semi-quantitative Paperclip Pickup Experiment 1

Lab 7 - Electromagnetism Applications
  Activity 1 - Solenoid
  Activity 2 - Semi-quantitative Paperclip Pickup Experiment 2
  Activity 3 - Simple Speaker

Lab 8 - Measuring Instruments
  Activity 1 - Measuring Voltage
  Activity 2 - Measuring Resistance
  Activity 3 - Measuring Current

Lab 9 - Simple Circuits
  Activity 1 - Lighting a Bulb
  Activity 2 - Building a Circuit
  Activity 3 - Batteries in Parallel

Lab 10 - Energy Transfer
  Activity 1 - Simple Motor
  Activity 2 - Wind Generator
  Activity 3 - Motor and Generator