

Workshops

April 26, 2001

Take Our Daughters To Work Day



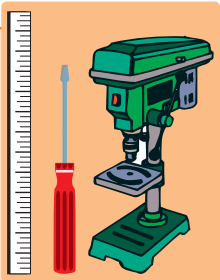
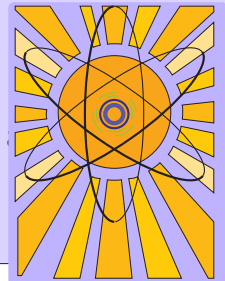
Cryogenics

Group 1 and Group 4

The cryogenics workshop will introduce you to the field of cryogenics, show the effect of cryogenic temperatures on everyday items, demonstrate superconductor-levitating magnets, observe a film on superfluid helium phenomenon and tour an operating cryogenic refrigerator ...sounds REALLY COOL!

Radiation

After a brief introduction to radiation measurements, you will use different radiation detection instruments to find different types of sources radioactive materials that are common. You will also see the tracks left by radioactive elements in a sealed box filled with dry ice...HOT stuff !



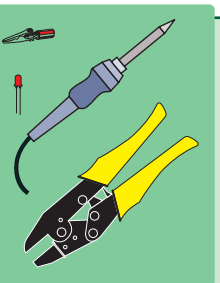
Mechanics

Group 2 and Group 5

In the mechanics lab, you will build your own Compact Disk holder. You will work one on one with a mechanical technician to lay out a hole pattern, use a small drill press and using threaded rod and chassis spacers, assemble your very own CD holder...BUILD your reputation!

Magnetics

The magnetic measurements lab begins with demonstrations of motors and generators, you will use current carrying wires and blocks of metal to see how they interact with magnetic fields. You will make a steel compass and feel magnetic forces on different materials...let's get PUSHY!



Electronics

Group 3 and Group 6

In the electronics lab, you will build a continuity checker complete with test leads and indicator light. You will work one on one with an electronics technician to strip, solder and assemble the unit that you will take home to determine the conductivity of everyday objects...SWITCH on to electricity!

Vacuum

The vacuum science workshop demonstrates the discipline that is required to make a good vacuum. You will mount flanges and leak check a vacuum system. Then the vacuum group demonstrates the effect of a vacuum on different materials and objects from every day life...PULL together!

