

MIDDLE SCHOOLS
8th Grade Earth Science
Core Lab Summaries
Revised Summer 2001

ACTIVITY 1

Determining Density

PURPOSE: How can density of an object be determined?

EQUIPMENT: Balance
Metric ruler
100 ml graduated cylinders
2 rectangular solids, the same size but different materials
string

SAFETY: Caution with glassware

ACTIVITY 2

Models of Eclipses

PURPOSE: What happens during a solar and lunar eclipse? What are the parts of the shadows they form?

EQUIPMENT: Metric ruler
Colored pencils

SAFETY: No concerns

ACTIVITY 3

Model of Solar System

PURPOSE: Investigate the relative sizes and distances of planets in relation to the sun.

EQUIPMENT: Scissors
Glue
Adding machine
Construction paper
Chart
Meter stick

SUMMARY: Students construct a scale model of the distance between the sun and planets in the solar system.

SAFETY: Caution with scissors
