

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

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**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

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**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

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**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

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