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:	Sc[illegible]

all week use option 1. If you only have the OG for a day, use option 2.

Option 1 : Full OG integration	Option 2: OG for only one day
Day 1: Earth structure Savage earth "web quest" All Cracked up "lab" OG- Earth structure slide (need to make) **Day 2: Plates and plate tectonics** Theory of plate tectonics "web quest" Snickers/Milky Way demonstration **Day 3: Plates and plate tectonics: Omni Globe Presentation** OG-Earth plates OG-Earth quakes OG- volcanoes OG- overlay previous two and discuss how they occur along boundaries **Day 4: Pangea and plate movement over time** Pangaea "web quest"	**Day 1: Earth structure** Savage earth "web quest" All Cracked up "lab" **Day 2: Plates and plate tectonics** Theory of plate tectonics "web quest" **Day 3: Snickers/Milky Way demonstration** Pangaea "web quest" **Day 4: OG- Demos** OG- Earth structure slide (need to make) OG-Earth plates OG-Earth quakes OG- volcanoes OG- overlay previous two and discuss how they occur along boundaries OG - Pangaea past animation OG - Future animation (find or make)