

Earth Science Lab Syllabus

2005 - 2006

Date	Unit	Reading Assignment Due	Lab / Class Activity
Sep. 6	Oceans	Ocean Floor: Features of ocean floor, Sediments	Ocean Floor Sediments
13		Ocean Water: Properties, Life in the ocean, Ocean resources	Ocean Water Density
20		Waves, Tides, & Currents	Making Waves
27		Atmosphere: Composition, Air pressure, Layers, Solar radiation, Winds	Air Density & Temperature
Oct. 4	Weather & Climate	Water in the Atmosphere: Dew point, Humidity, Clouds, Precipitation	Dew Point & Relative Humidity
11		Weather: Air masses, Fronts (thunderstorms, hurricanes, tornadoes), Forecasting	Weather Map
18		Climate: Factors that affect climate, Climate zones	Factors That Affect Climate
25	Plate Tectonics,	Plate Tectonics (incl. continental drift)	Convection Currents
Nov. 1	Earthquakes, & Volcanoes	Deformation of the Crust (incl. mountain formation)	Continental Collisions
8		Earthquakes: Causes, Recording earthquakes, Earthquake damage	Seismograph & Earthquake Waves
15		Volcanoes	Types of Volcanoes
22		Review	*** Review Labs 1-11 ***
*** Semester Break ***			
Feb. 14	Rocks	Minerals of the Earth's Crust (incl. identification)	Mineral Identification
21		Rocks: Rock cycles, Types of rocks (igneous, sedimentary, metamorphic)	Classification of Rocks
28		Resources & Energy: Mineral resources, Fossil fuels, Nuclear energy, Solar energy	Solar Collector
Mar. 7	Weathering & Erosion	Weathering & Erosion: Mechanical weathering, weathering & soil, erosion	Soil Drainage
14		Water & Erosion: Water cycle, River systems, Stream deposition	Water Speed & Erosion
21		Groundwater & Erosion: Wells & springs, Chemical weathering	Porosity
28		Glaciers & Erosion	Glacier Grooving
April 4		Erosion by Wind & Waves (incl. coastal erosion & deposition)	Beach Erosion and Deposition
18	Moon Rocks		
25		Reading Assignments for Moon Rocks Unit to be Determined	Labs / activities for Moon Rocks Unit to be Determined
May 2			
9			
16			
23	Review	*** Review Labs 12-24 ***	*** Semester Lab Exam ***