

Earth / Physical Science : Weathering & Energy Resources Outline

<u>Day</u>	<u>Subject / Activity</u>
1	Weathering
2	LAB : Blowing In The Wind <u>or</u> Acid Rain <u>or</u> How Are Materials From Earth Broken Down?
3	Erosion / Assign Project
4	LAB : Stream Table Demonstrations (<i>HS-ESS-2-5</i>) <u>or</u> Glaciers (pHet Simulation)
5	Minerals / Project Work Day
6	LAB : Crystal Formation <u>or</u> How Are Rocks Classified?
7	Mineral Identification
8	LAB : Identification Of Mineral Properties <u>or</u> Can Minerals Be Identified By Their Properties?
9	Mineral Exploration & Mining
10	LAB : Engineering A Gold Panning Procedure <u>or</u> ??????????
11	LAB : Extraction Of Copper From Its Ore (<i>HS-ESS-3-2</i>)
12	Energy Resources (Wind, Solar, Hydroelectric, Biomass, Geothermal)
13	Assign Project / Project Work Day / What Are The Advantages Of Alternative Energy Sources?
14	LAB : Engineering A Solar-Powered Car - (<i>Order 2 weeks in advance</i>)
15	LAB : Engineering A Wind Turbine Blade (<i>2 Days: Create Blades & Test Blades</i>)
16	LAB : Hydrogen Fuel Cell Vehicles / Video : Inside Japan's Nuclear Meltdown
17	Water Quality
18	LAB : Operation Oil Spill Clean-Up <u>or</u> How Can We Conserve Water?
19	Air Quality
20	LAB : Analyzing Particulate Pollution / Video : An Inconvenient Truth <u>or</u> ??????????
21	Land Quality
22	LAB : Garbage Personality Profiles
23	LAB : Finish Particulate Pollution (<i>HS-ESS-3-4</i>) <u>or</u> How Much Landfill Space Can Be Saved?