

Earth Science / Physical Science Outline

<http://reuter-online-classroom.weebly.com>

I. Introduction To Earth Science

1. The Nature Of Science
2. Science All Around

II. Weathering & Energy Resources

1. Weathering
2. Erosion (*HS-ESS-2-5*)
3. Minerals
4. Mineral Identification
5. Mineral Exploration (*HS-ESS-3-2*)
6. Energy Resources
7. Water Quality
8. Air Quality
9. Land Quality (*HS-ESS-3-4*)

III. Paleontology

1. Fossils
2. Ages Of Rocks (*HS-ESS-1-6*)
3. Life & Geologic Time
4. Early Earth History
5. Middle & Recent Earth History (*HS-ESS-2-7*)

IV. Meteorology

1. What Is Weather?
2. Weather Forecasts
3. Weather Patterns (*HS-ESS-3-1*)
4. Earth's Atmosphere
5. Energy Transfer In The Atmosphere
6. Air Movement
7. What Is Climate? (*HS-ESS-2-4*)
8. Climatic Changes (*HS-ESS-3-5*)

V. Waves

1. Types Of Waves
2. Characteristics Of Waves
3. Wave Interactions (*HS-PS4-1*)
4. Sound
5. The Nature Of Light (*HS-PS3-5*)
6. Reflection & Color
7. Refraction, Lenses, & Prisms (*HS-PS4-4*)

VI. Electricity & Magnetism

1. Electrical Charge (*HS-PS1-3*)
2. Electric Current (*HS-PS2-5*)
3. Electrical Energy
4. Magnetism
5. Electricity & Magnetism
6. Producing Electric Current (*HS-PS3-5*)

VII. Plate Tectonics

1. Continental Drift
2. Seafloor Spreading
3. Plate Tectonics (*HS-ESS-1-5*)
4. Features Of Earthquakes
5. People & Earthquakes (*HS-ESS-2-1*)
6. Volcanoes & Moving Plates
7. Types Of Volcanoes (*HS-ESS-2-3*)

VIII. Matter

1. Classifying Matter
2. Properties Of Matter
3. Changes Of Matter (*HS-PS3-4*)
4. Matter & Energy
5. Changes Of State (*HS-PS3-2*)
6. Pressure & Buoyant Force
7. Fluids In Motion