**Year 8 Science**

**Geology & Earth Science**

Indicate your relative confidence with the following:

• • • = *Very confident* • • = *Okay* • = *Not confident*

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| --- | --- |
| **Knowledge & Skills** | • • • |
| I can explain how the structure of the earth is similar and different to a hard-boiled egg. I can identify the different layers in the structure of the earth. |  |
| I can explain how tectonic plates in the crust move and the evidence for it |  |
| I can compare and contrast the 3 plate boundaries and describe what may occur at these boundaries (and why) |  |
| I can draw and explain a diagram of how a typical volcano works |  |
| I can evaluate the characteristics of a rock to determine which the 3 main rock types (and subgroups) it likely is. |  |
| I could examine a rock and make predictions as to what type it might be |  |
| I can illustrate how rocks move through the rock cycle and the processes involved. |  |
| I can apply my knowledge of weathering and erosion to predict what has been happening to certain land features (pictures, etc) |  |
| I can list and give examples of types of weathering |  |
| I can compare and contrast rocks vs minerals |  |

**Glossary**

Crust

Lithosphere

Mantle

Core

Magma

Lava

Tectonic plates

Convergent

Divergent

Transform

Subduction

Volcano

Heating

Cooling

Crystals

Fossils

Layers

Intrusive

Extrusive

Clastic

Chemical

Organic

Foliated

Non-foliated

Sedimentary

Metamorphic

Igneous

Porous

Erosion

Weathering

Wind

Ice

Water

Temperature

Sediment

Minerals

Limestone

Caves

Compacting/Cementing