

Prior Knowledge

You will have learned in Year 1 in the properties of materials and the difference between natural and man-made materials

In Year 2 you will have learned more about materials and tested some of their properties.

Key Vocabulary:

Acid rain		rain which has been made too acidic by air pollution	igneous rocks		rocks created from solidified lava
decompose		the process where dead animals and plants break down into smaller parts	intrusive igneous rock		rock that has been formed under the Earth's surface over a long period of time
erosion		the wearing away of rocks by wind or water	magma		hot liquid rock below the surface of the Earth. When a volcano erupts it can be seen, and is called lava
extrusive igneous rock		rock that has been formed from molten lava and either cooled quickly or slowly	metamorphic rock		rocks that have changed from igneous or sedimentary through heat and pressure
fossil		the imprint of a prehistoric plant or animal embedded in rock	sedimentary rock		rocks that are made from layers of sediment that has been subjected to heat and pressure
fragments		small pieces	weathering		the wearing away of rocks which are broken down into smaller pieces

Key learning: What are rocks and how are they formed?



Week 1: Explore the formation and properties of igneous rocks

What are the properties of igneous rocks?



Week 4: Explore how water contributes to rock weathering

How does water contribute to the weathering of rocks?



Week 2: Explore the formation and properties of sedimentary and metamorphic rocks

What are the properties of sedimentary rocks?

What are the properties of metamorphic rocks?



Week 5: Understand how fossils are formed

How are fossils formed?



Week 3: Weathering and the suitability of rocks for different purposes

How do we decide which rocks are best suited for specific purposes?



Week 6: Explore different types of soil

How are types of soil different?

Next Steps

In Year 4 you will learn more physics when we learn about sound and more about change when learn about States of Matter.