

Rocks and Soils Knowledge Mat

Sticky Knowledge- What do I need to know?		Key Vocabulary- What words do I need to know and understand?	
Week 1	I can compare and group together different kinds of rocks based on their appearance (smooth/rough, shiny/dull, big/small, sparkly/plain, bright/dark).	fossil	A fossil is the preserved remains or traces of a dead organism.
Week 2	I can compare and group together different kinds of rocks based on their physical properties (hard/soft, permeable/waterproof, durable/not durable).	sedimentary	Sedimentary rocks are made when sand, mud and pebbles get laid down in layers. Over time, these layers are squashed under more and more layers.
Week 3	I can name different types of rocks – metamorphic, sedimentary and igneous and know how they are formed.	metamorphic	When a rock experiences heat and pressure, it becomes a metamorphic rock. All metamorphic rocks start as another type of rock.
Week 4	I can explain that the earth is made up of different layers of rocks (earth's crust, mantle, outer core and inner core) and soils (bedrock, rocky soil, subsoil and top soil).	igneous	Igneous rock is formed when magma cools and solidifies. It may do this above or below the Earth's surface.
Week 5	I know that soils are made from rocks and organic matter.	soil	Soil consists of a mix of organic material (decayed plants and animals) and broken bits of rocks and minerals.
Week 6	I know that fossils are formed when things that have lived are trapped within rocks.	organic matter	Organic matter is matter that has come from a recently living organism. It is capable of decaying.