Knowledge Mat- Rocks

Sticky Knowledge

- Rocks have been used by humans for millions of years, from early tools and weapons through to various construction materials.
- Sediment deposited over time, often as layers at the bottom of lakes and oceans, forms sedimentary rocks.
- Extreme pressure and heat over time forms metamorphic rocks. Examples are marble and slate.
- When magma cools and solidifies it forms igneous rock. Examples are granite and pumice.
- Know that different rocks have different properties.
- Know that the Earth is made up of four layers: crust, mantle, outer core and inner core.
- Know that soil is made up of four layers: top soil, subsoil, rocky soil and bedrock.

Subject Specific Vocabulary

fossil	A fossil is the preserved remains or traces of a dead organism.
Soil	Soil consist of a mix of organic material (decayed plants and animals) and broken bits of rocks and minerals.
crystals	Crystals are a special kind of solid material where molecules fit together
sedimentary	Sedimentary rocks are made when sand, mud and pebbles get laid down in layers. Over time, these layers are squished under more and more layers.
metamophic	When a rock experiences heat and pressure, it becomes a metamorphic rock. A metamorphic rock always starts as another type of rock.
Igneous	Igneous rock is formed when magma cools and solidifies, it may do this above or below the Earth's surface.
permeable	Allows liquid to pass through.
Impermeable	Doesn't allow liquid to pass through.





