



We are Scientists...

Rocks/Evolution and Inheritance

We are curious, we are unique, we are together, we are Whiteshill!

### Types of Rock

**Igneous** - formed when magma from a volcano cools e.g. granite and quartz.

**Sedimentary** - formed over millions of years when tiny pieces of rocks and animal skeletons are pressed together at the bottom of seas and rivers e.g. coal and chalk.

**Metamorphic** - formed when rocks are changed due to heat or pressure under the ground e.g. slate and marble.

Quartz

Granite



Coal

Chalk



Marble

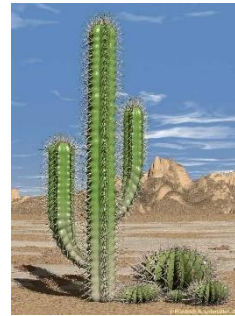
Slate



### Vocabulary

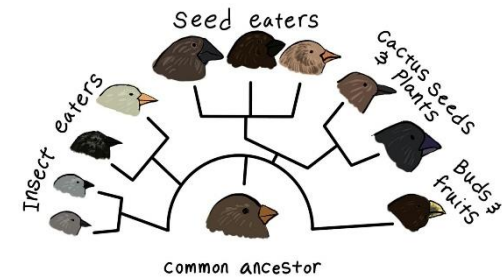
**Fossils** – formed when the remains or evidence of living things are preserved within layers of rock over millions of years e.g. bones, shells, poo and footprints!

**Soil** – made from rocks and organic matter (things that have died) mixed with air and water.



**Cactus** – desert – thick stem to store water and waxy surface to reflect heat

**Drip tip leaf** – rainforest – allows water to run off leaves quickly.



### Evolution and Inheritance

**Adaptation** - How living things are specialised to suit their environment e.g. Galapagos finches

**Inheritance** - The process of passing on features from parents to offspring.

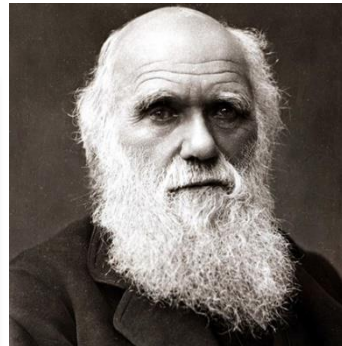
**Species** - A group of living things with very similar characteristics.

**Variation** - The differences between living things in a species.

**Evolution** - The process by which living things can gradually change over time e.g. giraffes' long necks.

**Extinction** – when a species no longer exists.

Charles Darwin Theory of Evolution



Mary Anning Fossil Hunter



### Types of Soil

- Sandy soil
- Clay soil
- Peat soil

Sandy Soil

Clay Soil

Peat Soil

