# Year 3 Geography Knowledge Organiser - Autumn

## Topic: Under the Earth- Caves and Crystals

FOCUS: To explore crystals, gemstones, caves and how the Earth's landscapes are formed.

### What I should already know:

I should be able to identify a rock and describe some of its properties.

I should be able to name the world's seven continents

I should be able to name the countries of the United Kingdom and their capital cities.

### WALTS:

WALT 1: know what a crystal is

WALT 2: know what a gemstone is

WALT 3: understand what a cave is

WALT 4: understand what a cave is

WALT 5: Trip work

WALT 6: describe more geological features

WALT 7: QUIZ

### Key facts to retain:

Crystals form naturally in rocks.

Gemstones are polished crystals or minerals.

Blue John is found in Derbyshire.

Caves form naturally underground.

Stalactites hang down.

Stalagmites grow up.

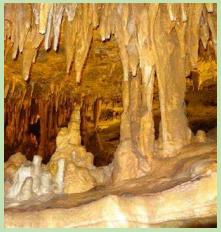
Weathering breaks rock.

Erosion moves rock.



Geological features are shaped by nature.

Geographers use fieldwork to study places.





### Key vocabulary:

**Crystal**: a solid material where the molecules fit together in a repeating pattern.

**Gemstone**: a mineral, rock that when cut and polished is collectible or can be used in jewellery.

**Blue John**: a blue or purple mineral found in Derbyshire.

**Stalactite**: formations that look like icicles and grow down from the ceiling of a cave.

**Stalagmite**: formations that grow up from the cave floor when water drips down from the stalactites on the cave ceiling.

**Cave**: a natural hollow space under the ground that has an opening large enough for a person to enter.

**Weathering:** The breaking down of rock into smaller pieces.

**Erosion:** The movement of rock and soil by water, wind or ice.

**Geological Feature:** A natural landform created by Earth's processes.