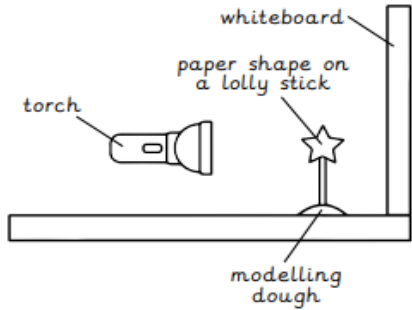




Science Knowledge Organiser

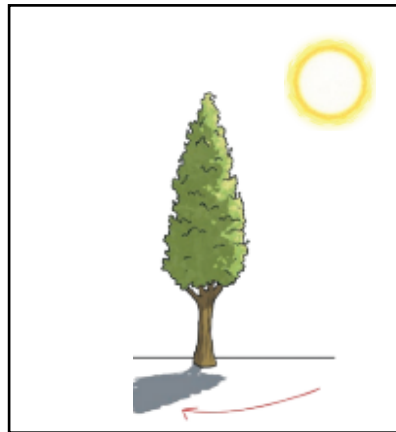
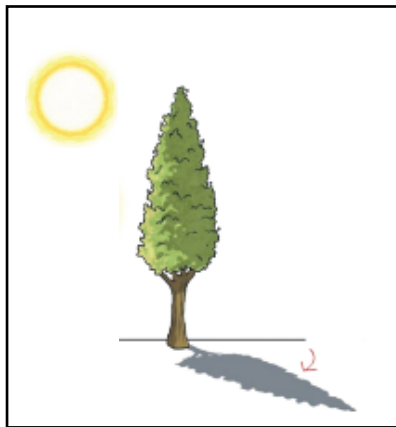
Year 3 Spring 2—Light and shadows



The distance between the light source and an object changes the size of the shadow.



Shadows form when the light from a light source is blocked by an opaque object.



The shadows position will change as the sun rises in the East and sets in the West.

Key Vocabulary

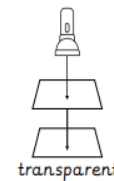
Key word	Definition
Light source	Where light comes from e.g. the sun



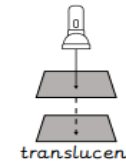
Reflect	When light bounces off a surface
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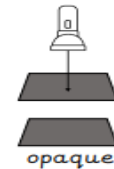
Transparent	A property of a material where <u>most</u> light can pass through
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Translucent	A property of a material where <u>some</u> light can pass through
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Opaque	A property of a material where <u>no</u> light can pass through
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Geography Knowledge Organiser

Year 3 Spring 2

Mountains, Volcanoes and Earthquakes

Key vocabulary:



lava



waves



active volcano



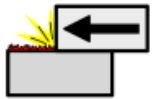
pressure



tectonic plates



shield volcano



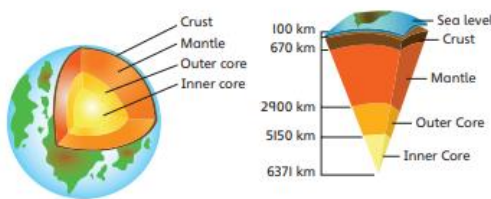
friction



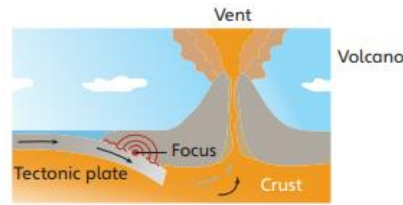
Epicentre



inner and outer core



Layers of the Earth



Earthquakes occur when plates jolt forward after getting stuck

Volcanoes erupt when magma rises to the surface



A shield volcano



A stratovolcano

National Curriculum objectives met:

- ✓ name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time
- ✓ describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle



Art & Design Knowledge Organiser

Year 3 Spring 2

Sculpture and 3D



sculpture—an art form made in 3 dimensions.



3 dimensional—a solid object that has 3 dimensions such as, width, height and depth.



structure - parts arranged in a particular way, like a cardboard model.



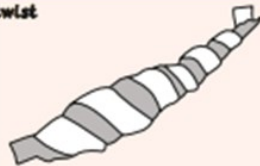
sculptor—an artist who makes sculptures.

Techniques for joining shapes

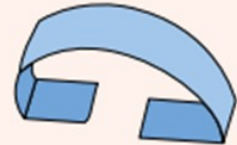
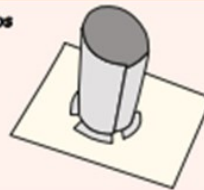
tie



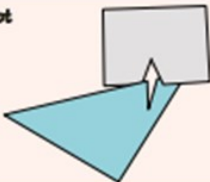
twist



tabs



slot



wrap



balance



Techniques for shaping card - from 2D to 3D

roll



fold



concertina

