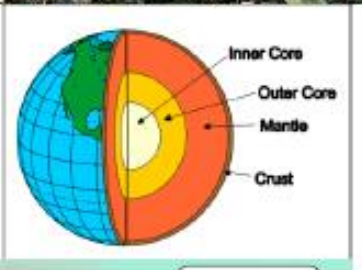
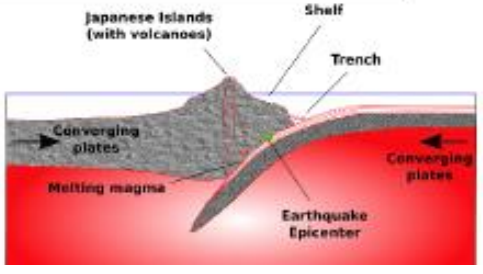
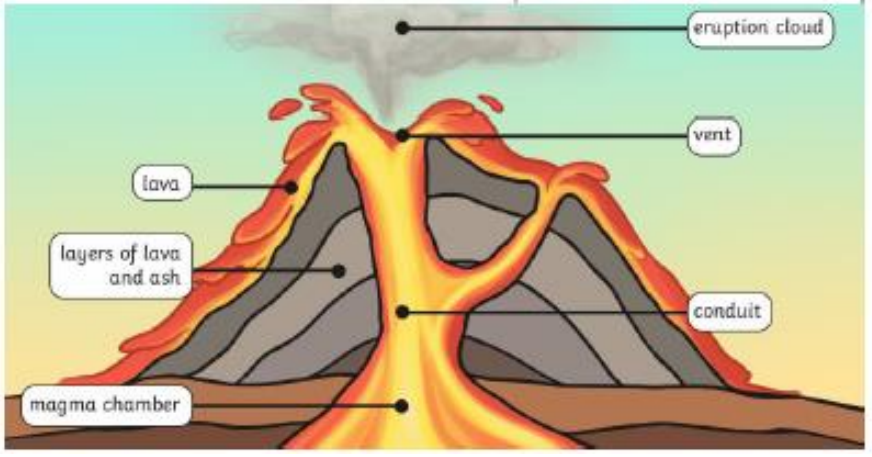
Knowledge Organiser Year 4 Geography: Disasters! : Vesuvius – Understand how the Earth's surface moves

Concept: Physical Geography

Key Vocabulary	Things we already know New vocabulary
Physical geography	natural features of the land
Earth's crust	Is the outer layer of our planet.
Magma	Is the molten rocks under the Earth's surface.
Volcano	Is a vent in the Earth's crust that allows lava, volcanic ash and gases to escape from below the Earth's surface.
Tectonic plates	Are pieces of the crust of the Earth. They are constantly moving and sometimes earthquakes, volcanoes and mountains are found at the plate boundaries.
Earthquake	An earthquake is what happens when two tectonic places move which then causes shock waves to shack the surface of the earth.
Tsunami	Is a large wave caused by an underwater earthquake or volcano.



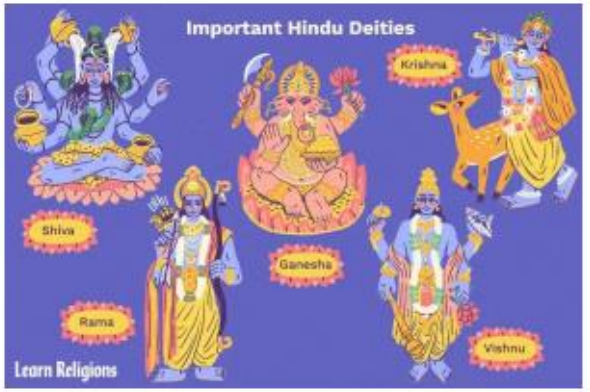




RE Knowledge Organiser Year 4: What do Hindus believe God is like?

Concept: Identity and Community

Key Vocabulary	
Hindu	Someone who believes in Hinduism.
Aum	Symbolises the Universe and the ultimate reality. It is the most important Hindu symbol.
Symbol	A mark used as a representation of an object.
Brahman	The first god in the Hindu trimurti.
Deities	Gods and goddesses in Hinduism.
Trimurti	Three gods Brahma, Vishnu and Shiva.
Qualities	A distinctive attribute or characteristic possessed by someone.
Shrine	A place containing a religious statue or other object.
Puja	The act of worship.
Diwali	A Hindu festival with lights, held in October to November.



Aum

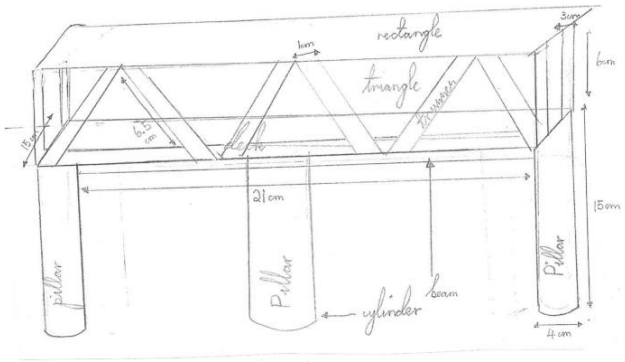
Brahma

Knowledge Organiser Year 4 DT: Survival Structures Concept: Design, Make, Evaluate

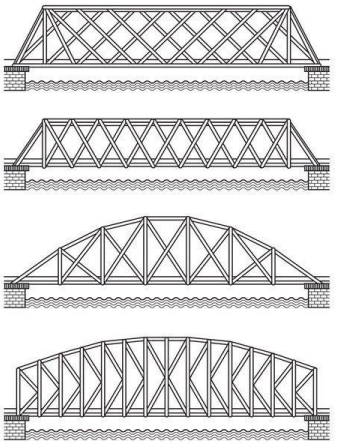
Key Vocabulary	
Assemble	To fit together all of the individual parts of a product.
Strong	Able to withstand force, pressure or wear.
Stiff	Not easily bent or changed in shape.
Rigid	Not flexible (similar to stiff)
Reinforce	To strengthen or support an object by adding more material.
Alteration	A change that has been made to a product or object.
Quality	The standard of an object's properties when compared to others.
Mark Out	To indicate where cuts to a material should be made.
Measure	To identify the length using a measure tool e.g. a tool

Some countries are prone to natural disasters such as earthquakes. It is important that there are plans in place for people to evacuate from tall buildings if they encounter one!

An annotated diagram should include measurements. It is also good practice to draw your design from different angles to give a clear picture of your design.



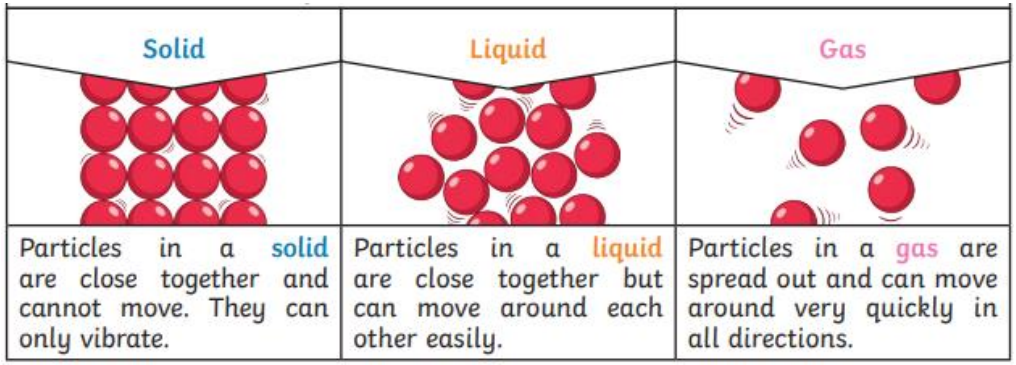
Triangular shapes are good to help reinforce a structure.

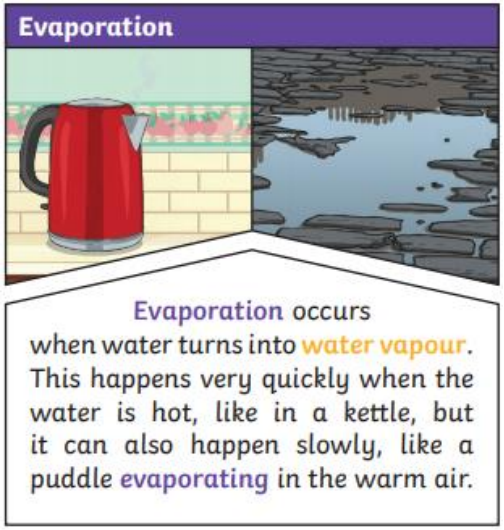


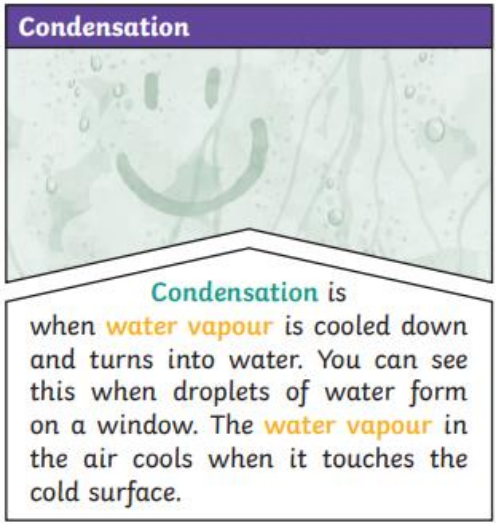
Knowledge Organiser Year 4 Science: States of Matter

Concept: Chemistry

Key Vocabulary	
states of matter	Materials can be one of three states: solids, liquids or gases. Some materials can change state.
solids	These are materials that keep their shape unless a force is applied. They can be hard, soft or squishy. Solids take up that same amount of space no matter what has happened to them.
liquids	Liquids take the shape of their container. They can change shape but do not change the amount of space they take up. They can flow and be poured.
gases	Gases can spread out to completely fill their container. They do not have a fixed shape.
water vapour	This is water that takes the form of a gas.
melt	This is when a solid changes to liquid.
freeze	Liquid turns into a solid during the freezing process.
evaporation	This is the process of turning a liquid into a gas.
condensation	This is the process of turning a gas into a liquid.







Year 4 Knowledge Organiser - French

Study & revise the numbers carefully.

1	un	11	onze	21	vingt et un
2	deux	12	douze	22	vingt-deux
3	trois	13	treize	23	vingt-trois
4	quatre	14	quatorze	24	vingt-quatre
5	cinq	15	quinze	25	vingt-cinq
6	six	16	seize	26	vingt-six
7	sept	17	dix-sept	27	vingt-sept
8	huit	18	dix-huit	28	vingt-huit
9	neuf	19	dix-neuf	29	vingt-neuf
10	dix	20	vingt	30	trente
				31	trente et un

When is your birthday? My birthday is February 2nd

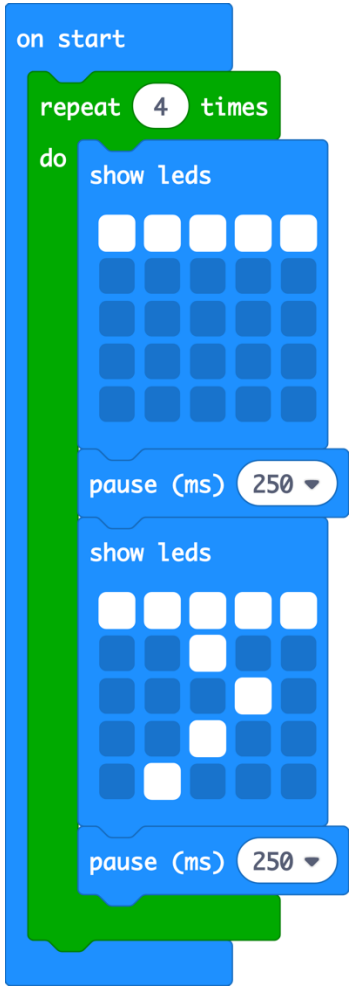
Quelle est la date de ton anniversaire? Mon anniversaire est le deux fevrier est j'ai huit ans.

Computing Knowledge Organiser Year 4: We are Animators

Concept- Programming

Key Vocabulary	Definition
Algorithm	A set of step-by-step instructions that can be followed to achieve a goal.
Animation	A technique used to make still images look like they are moving, by changing each image slightly.
Decomposition	Breaking a problem or an overall action into smaller parts to make the overall process more manageable.
Micro:bit	A small device that can be programmed in different ways.
Repetition	An instruction or set of instructions that need to be carried out on more than one occasion can be repeated rather than written out again.
Programming	A set of instructions written for a computer to follow to achieve a specific goal.

An example of code using MakeCode software.



A micro:bit