Potions

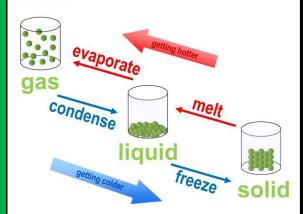
Year 4

Autumn Term 2

Science: States of matter

- Particles in a solid are close together and cannot move. They
 can only vibrate.
- Particles in a liquid are close together but can move around each other easily.
- Particles in a gas are spread out and can move around very quickly in all directions.
- If a solid is heated to its melting point, the particles move faster and it changes to a liquid.
- When freezing occurs, the particles in the liquid begin to slow down and they can only then move gently on the spot, giving them a solid structure.

rigid fixed shape fixed volume cannot be squashed not rigid not rigid no fixed shape fixed volume cannot be squashed can be squashed can be squashed



Vocabulary

state	condensation
biloa	water cycle
liquid	melting
gases.	precipitation
freezing	particle
heating	vibrate
water vapour	
evaporation	

History: Historical potion use

- Potions are liquids that are said to have healing or magical properties.
- Before people known about modern medicines, healing potions were thought to cure a range of health problems.
- Anaesthetics are medicines that put people to sleep when they have an operation so they do not feel pain during the surgery.





Vocabulary

potion	doctor
medicine	surgeon
anaesthetic	surgery
herbal	treatment
health	operation
magic	substance
illness	sedate
pharmacy	painkiller

Art: Observational drawing

- Observational drawing is when an artist observes an object, landscape or person and recreates it using a drawing in the most realistic way possible.
- Texture refers to the feel, appearance or consistency of a surface or a substance.
- Shading can be used to mark areas of light and dark.

Shading techniques hatching scumbling stippling crosshatching smudging

Vocabulary texture hatching shading scumbling technique stippling drawing cross-hatching

DT: Sculpting clay

- Clay is a soft substance used for sculpting.
- You can join pieces of clay together by pushing it together or using some slip, which is a mixture of clay and water that is used like glue.
- Sometimes clay is fired in a kiln to make it harder and more durable.
- Air-dried clay does not need to be fired in a kiln-you can



clay pinch pot sculpt kiln slip carve

blending

pottery

mould

join

coil

sketch

Vocabulary

Information about states of matter



The history of anaesthetic



Practise different shading techniques



Clay building techniques

