



Year 4 Knowledge Organiser

Science

Potions & Lotions

Learning

about states

of matter, spells

& chemical reactions.



Project Question: Are all liquids runny?

Exciting Books and Useful Links:

Books: The Wizards of Once.

Alice in Wonderland

A Midsummer Nights Dream (Extract)

States of Matter

Links:

<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zsgwwwx>

<https://www.theschoolrun.com/what-are-states-of-matter>

What I should already know:

To know what a mixture is.

Describe the physical properties of everyday materials.

What I need to know:

- To be able to identify a solid, liquid and gas.
- To observe that some materials change state when heated or cooled.
- To be able to explain the water cycle.
- To predict what might happen when mixing two materials together.

Key Vocabulary:

Solid – something that keeps its shape unless force is applied to it.

Liquid – takes up the shape of the container – they can be poured.

Gas – fill container that they are in, they do not have a fixed shape.

Melt – When a solid turns into a liquid.

Evaporate – Turn a liquid into a gas.

Condense – Turn a gas into a liquid.

Precipitation – liquid or solid particles that fall from a cloud – rain, hail and snow.