



PREPARATION

THEME: STATES THAT MATTER

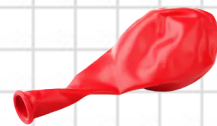
MYSTERY BAG

ICE CUBE(S)



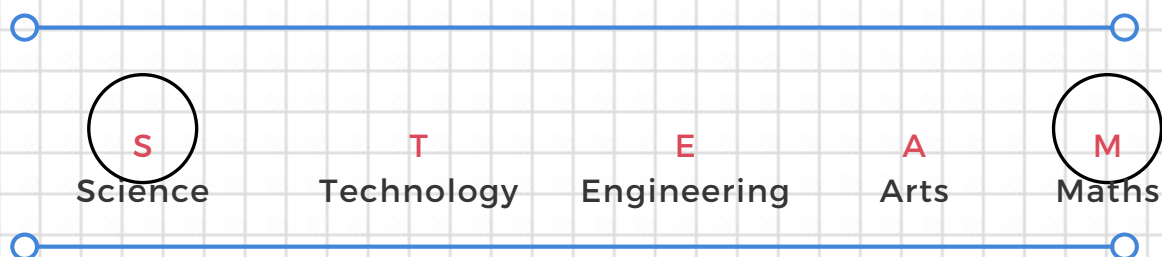
EXPLORATION RESOURCES

- BALLOONS (AT LEAST 3)
- GLASS OF WATER
- WITH ADULT: PAN & HOB
- ZIPLOCK BAG OR PLASTIC BOTTLE
- CORNFLOUR
- MIXING BOWL
- MEASURING SPOONS
- OPTIONAL: FOOD COLOURING



EXPLORATION

THEME: STATES THAT MATTER



Questions/Ideas:

Identifying States: Is this a solid, liquid or gas? How do you know? Is it runny? Does it spread out into the air?

Changing States: How can we turn this solid ice into a liquid? How can we turn this liquid water into a solid? How can we turn this liquid water into a gas? [Harder - How can we turn water vapour back into a liquid?] Can we make other liquids change into solids and gases too?

Oobleck: Is this a solid or a liquid? What properties make it like a solid? What properties make it like a liquid? What can you make it do?

Learning:

Science: States of matter; Properties of objects in different states; Changing states - melting, freezing, evaporating [condensing]; Making and testing predictions; Oobleck as a non-Newtonian fluid.

Maths: Sorting objects; Measuring ingredients.

