

Year 4 States of Matter

Words I need to know for this topic:		By the end of this topic I should know how:
Solid	Stays the same shape and can be held in your hands.	To explore a variety of everyday materials and develop simple descriptions of the states of matter
Liquid	Flows and can be poured, changes shape to its container.	To compare and group materials together, according to whether they are solids, liquids or gases
Gas	Often invisible, always fills its container and changes in shape.	To observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)
Melt	The process of a solid heating and changing into a liquid.	To identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature
Freeze	The process of a liquid cooling and changing into a solid.	To explore George Stephenson's contribution to science
Evaporating	The process of a liquid heating and changing into a gas.	By the end of this topic I should be able:
Condensing	The process of a gas cooling and changing into a liquid.	To make decisions, ask relevant questions and use different types of scientific enquiries to answer them
Thermometer	An object used to measure temperature.	To make systematic and careful observations using notes and simple tables
Temperature	How hot or cold something is.	To take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
Degrees Celsius	The measurement of how hot or cold something is.	To gather, record, classify and present data in a variety of ways to help in answering questions
Water cycle	Water moving continuously from the sea/ land to the sky and back.	To record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
		To report on findings from enquiries, using relevant scientific language, including oral and written explanations, displays or presentations of results and conclusions
		To use straightforward scientific evidence to answer questions or to support their findings
		To begin to look for naturally occurring patterns and relationships
Our Scientist is:		Anything else interesting I have learned:
Future learning: Year 5 Properties and Changes of Materials		