

LKS2 / Year A / T3b.1 / States of Matter

Date	Task	Key Learning Objectives	Resources	Assessment
		What are solids, liquids and gases?	https://www.youtube.com/watch?v=c3X7pIFYky4 Solid Liquid Gas - They Might Be Giants - official video	
	Sort and describe material into solids liquids and gases	Compare and group materials together, according to whether they are solids, liquids or gases.	https://www.twinkl.co.uk/resource/tp2-s-063-planit-science-year-4-states-of-matter-lesson-1-solid-liquid-or-gas-lesson-pack	
	Investigate gases and their uses	Investigate gases and explain their properties.	https://www.twinkl.co.uk/resource/tp2-s-064-planit-science-year-4-states-of-matter-lesson-2-investigating-gases-lesson-pack	
	Investigate how heating and cooling can change a materials state	Observe that some materials change state when they are cooled and measure or research the temperature at which this happens in degrees Celsius (°C).	https://www.twinkl.co.uk/resource/tp2-s-065-planit-science-year-4-states-of-matter-lesson-3-heating-and-cooling-lesson-pack	
	Explore how water can change its state to a solid, liquid or gas		https://www.twinkl.co.uk/resource/tp2-s-066-planit-science-year-4-states-of-matter-lesson-4-wonderful-water-lesson-pack	
	Investigate the effect of temperature on drying washing		https://www.twinkl.co.uk/resource/tp2-s-067-planit-science-year-4-states-of-matter-lesson-5-	

			evaporation-investigation-lesson-pack	
	Create a model of the water cycle		https://www.twinkl.co.uk/resource/tp2-s-068-planit-science-year-4-states-of-matter-lesson-6-the-water-cycle-lesson-pack https://www.bbc.co.uk/teach/class-clips-video/geography-ks1--ks2-the-water-cycle/zbcmxyc	
	Write about how the water cycle works.		Ice Boy Book Read Aloud For Children	

Key Learning Objective Bank

Curriculum Area	Key Learning (in bold if objective appears only in this plan)
English	Write instructions
Science	<p>Compare and group materials together, according to whether they are solids, liquids or gases.</p> <p>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).</p>