

# What I need to know: Y4 Science – States of Matter

*We nurture the curiosity to learn, the courage to lead and the compassion to care.*

Name:

Class:

For the next 6 weeks we are look at states of matter and learning the properties of different states.

What I will know...	✓	Start	End
The properties of a solid.		<input type="radio"/>	<input type="radio"/>
The properties of a liquid.		<input type="radio"/>	<input type="radio"/>
The properties of a gas.		<input type="radio"/>	<input type="radio"/>
What a comparative test is and why we use them.		<input type="radio"/>	<input type="radio"/>
How to describe how materials change shape.		<input type="radio"/>	<input type="radio"/>
Different materials change shape under different conditions.		<input type="radio"/>	<input type="radio"/>
How to explain the water cycle.		<input type="radio"/>	<input type="radio"/>
The importance of water.		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>

Skills I may use...	
<b>Remember:</b> name, identify, describe	<b>Analyse:</b> investigate, infer, select, clarify
<b>Understand:</b> predict, recall, interpret	<b>Create:</b> plan, design, construct
<b>Apply:</b> use, show, relate, demonstrate	<b>Evaluate:</b> compare, assess, judge

Vocabulary I need to know...		
1. I have heard the word, but I don't know what it means	2. I understand what the word means	3. I can explain what the word means and give other examples
Solids, liquids, gas, porous, absorbent, freezing, cooling, heating, evaporating, condensation, condensing, expanding, particles and molecules.		

Opportunities to support English and maths
<ul style="list-style-type: none"> <li>Skim and scan texts to retrieve information or quotes quickly and accurately</li> <li>Summarise main ideas from more than one paragraph</li> <li>Make and justify inferences with appropriate evidence from the text</li> <li>Provide reasoned justifications for their views, quoting evidence from across a text</li> </ul>

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none"> <li>Visit / visitor</li> </ul>