

Symbols Inclusion Project: Unit 4D Solids and Liquids

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<p>Unit 4D Solids and Liquids <u>CONTENTS</u></p>	<p>In this unit children learn about the differences between solids and liquids and recognise that the same material can exist as both solid and liquid. They identify changes that occur when solids and liquids are mixed and how to separate undissolved solids from a liquid. They learn that melting and dissolving are different and recognise that when a solid dissolves it is still there.</p>
<p>01 Crossword (2pg)</p>	<p><u>Crossword using key vocabulary</u> Symbol clues. Answer sheet.</p>
<p>02 Investigation - separating solids (3pg)</p>	<p><u>A simple investigation to choose apparatus for separating a mixture of solids.</u> Key vocabulary and recording frame</p>
<p>03 Investigation - solids and water (3pg)</p>	<p><u>A simple investigation to find out what happens when solids are mixed with water</u> Key vocabulary and recording frame</p>
<p>04 Key Questions (2pg)</p>	<p><u>Key questions for discussion</u> e.g. What happens to the liquid if you tilt the container? What is a saturated solution? How can you separate sands and water? Which solids sink in water?</p>
<p>05 Investigation - mixing materials with water (6pg)</p>	<p><u>Investigating which materials dissolve to form a solution when mixed with water</u> Recording frame with all key vocabulary and help sheets on fair test and method to use as necessary, depending on level of support required.</p>
<p>06 Sorting activity (1pg)</p>	<p><u>Simple solids and liquids sorting activity.</u> Put a tick in the correct box - solid or liquid</p>
<p>07 Word search (1pg)</p>	<p><u>Word search using key vocabulary from unit</u></p>
<p>08 Examples of solids and Liquids (2pg)</p>	<p><u>12 examples of solids and 12 examples of liquids as flash cards</u> Use for reference, to help learn vocabulary or cut up and make sorting activity</p>
<p>09 Information Book text only (7pg)</p>	<p><u>Key facts about solids and liquids - text only</u> Definitions, characteristics and properties</p>

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10 Information Book supported text (7pg)	<u>Key facts about solids and liquids - symbol supported text</u> Definitions, characteristics and properties
11 Information Book simplified text (7pg)	<u>Key facts about solids and liquids - simplified symbol supported text</u> Definitions, characteristics and properties
12 Question and answer (1pg)	<u>Match the Questions and Answers</u> Key questions about unit
13 Quiz	<u>Match the questions and answers</u> Key questions about the unit
14 Vocabulary Book (10pg)	<u>Key Vocabulary</u> Print out and collate as A5 book Centigrade, Celsius, changed, chart, cold, compare, data, degrees, degrees centigrade, disappear, dissolve, filter, filtration, float, flow, forces, freeze, freezing, funnel, gas, graph, heated, hot, insoluble, irreversible, liquid, material, mature, melt, mixture, particles, process, properties, rate, reversible, sample, saturated, separate, sink, sieve, solid, solidify, soluble, solution, spread out, stirring, substance, suspension, table, temperature, thermometer, undissolved, viscosity, warm, water.
15 Solids and Liquids Facts (1pg)	<u>Key facts about solids and liquids</u> Use for discussion
16 Freezing and Melting (2pg)	<u>Key Facts about Freezing and Melting</u> Key ideas about freezing and melting. Can be used to check understanding
17 Flash Cards (19pg)	<u>Key Vocabulary - symbol and word, symbol only, word only</u> 19 A4 sheets. Use for display, or games to help learn vocabulary such as matching. Word list as for Vocabulary Book.
18 Investigation Template (3pg)	<u>Symbolised recording sheets for any investigation.</u> Aim, prediction, fair test, apparatus, diagram, method, results, conclusion

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19 Investigation Information (1pg)	<u>Information</u> about how to use 05 Investigation - mixing materials with water and 18 Investigation template.
20 Freezing and Melting missing words (2pg)	<u>Fill in the missing words</u>
21 Contents	<u>List of pack activities</u>
22 Vocabulary List (3pg)	<u>Key vocabulary with symbol.</u> Word list as for Vocabulary Book Useful as a checklist to assess understanding.