

Symbols Inclusion Project: Unit 4C Keeping Warm

The materials in this pack have been developed by Warwickshire DISCS and Widgit Software.

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<p>Unit 4C Keeping Warm <u>CONTENTS</u></p>	<p>Through this unit children build on their ideas about temperature as a measure of how hot or cold objects are and learn about thermal insulators as materials, which can help to keep things warm or cool.</p>
<p>01 Vocabulary Book 1 (6 pg)</p>	<p><u>Key Vocabulary</u> Print out and collate as A5 book Key vocabulary - body temperature, cold, coldest, conduct, conductor, cool down, degrees, energy, heat, heat up, hot, hottest, insulate, insulator, man made, measure, natural, organic, properties, recycle, room temperature, strength, substance, temperature, thermal conductor, thermal insulator, thermometer, transfer, warm, warmest, waterproof.</p>
<p>02 Vocabulary Book 2 (5 pg)</p>	<p><u>Key Vocabulary</u> Print out and collate as A5 book. Key vocabulary - air, bubble wrap, bobble hat, cling film, cool box, cotton sheet, double glazing, fabric, flask, foil, gloves, hot water bottle, loft insulation, material, metal, paper, polystyrene, polyester, polythene, scale, smooth, sponge sheet, tea cosy, trapped, underlay, wallpaper, water, wood, wool.</p>
<p>03 Materials (3 pg)</p>	<p><u>Keeping warm- clothes and materials</u> 3 A4 sheets Tick sheets - clothes made from cotton or wool, tick which materials keep us warm, tick which materials keep things warm</p>
<p>04 Keeping things cold/warm (2 pg)</p>	<p><u>How do we keep food and drink cold?/ How do we keep ourselves warm?</u> Draw a line to the correct objects</p>
<p>05 Word Search (1pg)</p>	<p><u>Word search</u> using key vocabulary from unit.</p>

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06 Investigation - keeping water warm (6 pg)	<u>Investigating which material will keep water warm for the longest time</u> Experiment frame to support learning Aim, prediction, fair test, apparatus, diagram, method, results, conclusion. 3 help sheets to assist with fair test, prediction and apparatus
07 Information Book 1 supported text (4 pg)	<u>Key facts about materials</u> . Print out and collate as A5 book Properties, uses , sources.
08 Information Book 1 text only (4pg)	<u>Key facts about materials</u> . Print out and collate as A5 book Properties, uses, sources
09 Information Book 1 simplified text (4pg)	<u>Key facts about materials</u> . Print out and collate as A5 book Properties, uses, sources
10 Investigation - temperature of water (2pg)	<u>Investigating the temperature of water.</u> Simple experiment using touch as a method of assessing water temperature - cold, hot, warm.
11 Crossword (4pg)	<u>Crossword using key vocabulary.</u> 2 versions, one with symbol clues, one with word clues. Answer sheets included.
12 Thermometers Information Book Supported text (10pg)	<u>Key facts about thermometers.</u> What they are and how to use. Print out and collate as A5 book
13 Thermometers Information Book Text only (10pg)	<u>Key facts about thermometers</u> What they are and how to use. Print out and collate as A5 book
14 Touching Surfaces (3pg)	<u>Estimating temperature of surfaces by touching</u> Surfaces around school. Plastic drain pipe, concrete, tarmac, grass, brick, soil, window pane, wooden fence. Tick or cross for very cold, cold, warm, very warm

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15 Classroom Temperature (3pg)	<u>Cut and stick activity - hot and cold areas in classroom.</u> Discussion activity for pairs/small groups.
16 Animals Keeping Warm (1pg)	<u>Discussion sheet on how animals keep warm</u> Why do animals have fur? Is it all the same? Relate to habitat.
17 Flash Cards 1 (11pg)	<u>Key Vocabulary - symbol and word, symbol only, word only</u> 11 A4 sheets. Use for display or games to help learn vocabulary such as matching. Word list as for Vocabulary Book 1
18 Flash Cards 2 (11pg)	<u>Key Vocabulary - symbol and word, symbol only, word only</u> 11 A4 sheets. Use for display or games to help learn vocabulary such as matching. Word list as for Vocabulary Book 2
19 Information Book 2 (9pg) Text only	<u>Key facts about heat</u> Thermal conductors and thermal insulators - explanations and examples. Print out and collate as A5 book.
20 Information Book 2 (9pg) Simplified text	<u>Key facts about heat</u> Thermal conductors and thermal insulators - explanations and examples. Print out and collate as A5 book.
21 Information Book 2 (9pg) Supported text	<u>Key facts about heat</u> Thermal conductors and thermal insulators - explanations and examples. Print out and collate as A5 book.
22 Question and Answer (2pg)	<u>Quiz and missing word activities about keeping warm</u> Match question to correct answer by drawing line. Fill in the missing words. 2 A4 sheets.

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23 Match the Temperature (1pg)	<u>Relate temperature to degrees centigrade</u> 7 different temperatures from 0 to 100 degrees centigrade. Draw a line to the correct answer. Hot day, freezing point, room temperature, boiling point, hot tap water, inside fridge, body temperature.
24 Investigation Template (3pg)	<u>Symbolised recording sheets for any investigation.</u> Aim, prediction, fair test, apparatus, diagram, method, results, conclusion.
25 Investigation Information (1pg)	<u>Information</u> about how to use the resource 06 Warm Water Investigation and 24 Investigation Template
26 Contents	List of the pack activities
27 Vocabulary List 1 (2pg)	Key vocabulary with symbol. Useful as a checklist to assess understanding. Word list as for Vocabulary Book 1
28 Vocabulary List 2 (2pg)	Key vocabulary with symbol. Useful as a checklist to assess understanding. Word list as For Vocabulary Book 2