

# Shelters : DT : Year 6

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To investigate a range of shelters.	Children will explore, discuss and investigate a range of shelters, thinking about what they are made from and their purpose. They will sketch, label and compare different shelters.	<ul style="list-style-type: none"> <li>Do children understand that there are many different types of shelters built for different purposes?</li> <li>Can children identify how materials and components have been used?</li> <li>Can children identify which parts support and strengthen structures?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 1A</li> <li>Question Cards</li> <li>Picture Cards</li> </ul>
<b>Lesson 2</b>	To explore how to join and combine materials and components and find out how to reinforce structures.	Children will be carrying out some experiments to find out how best to join materials together to form a structure and think about how to reinforce the structures to make them stronger.	<ul style="list-style-type: none"> <li>Do children know some techniques for joining and combining materials?</li> <li>Do children know some techniques for strengthening and reinforcing materials?</li> <li>Can children experiment with different techniques to gather ideas for use in their own work?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Straws, sculpture wire, paper, card, sticky tape, blu-tack, pipe cleaners, etc.</li> <li>Challenge Cards (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To find suitable textiles for the purpose of making a shelter.	Children will be testing various fabrics to see if they would be suitable for making a shelter. They will need to consider if they are water resistant, strong enough and easy to attach to other materials.	<ul style="list-style-type: none"> <li>Can children carry out tests to examine a fabric's suitability for a purpose?</li> <li>Can children explore different ways of joining materials?</li> <li>Can children explain which fabrics would be suitable for a purpose and why?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 3A/3B</li> <li>Variety of fabrics</li> <li>Straws, dowelling, sticky tape, blu-tack, staplers, etc.</li> </ul>
<b>Lesson 4</b>	To be able to design a shelter for a particular purpose.	Children to use the skills they have acquired over the last few lessons to design their own shelter. They should have a particular purpose in mind when thinking about their design.	<ul style="list-style-type: none"> <li>Can children describe who they are designing their shelter for and what purpose it will have?</li> <li>Can children include detailed lists of the materials and processes they plan to use?</li> <li>Can children use precise measurements and appropriate vocabulary in their designs?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 4A/4B</li> <li>Design Cards (FSD? activity only)</li> <li>Large sheets of paper (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To be able to make a shelter for a particular purpose.	Children to look through their designs carefully thinking about what materials they need before constructing their shelter.	<ul style="list-style-type: none"> <li>Can children follow their design to create their shelter?</li> <li>Can children work appropriately with a range of materials and techniques?</li> <li>Can children using finishing techniques to ensure that their finished product is as good as it can be?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Designs from lesson 4</li> <li>Materials for making shelters e.g. straws, sculpture wire, fabrics, card, paper, etc.</li> <li>Tools e.g. sticky tape, scissors, staplers, blu-tack, etc.</li> </ul>
<b>Lesson 6</b>	To be able to evaluate a finished product.	Children will show each other their finished shelters, then evaluate both their process and their finished product, either individually or with a partner.	<ul style="list-style-type: none"> <li>Can children evaluate their own work fairly?</li> <li>Can children evaluate the work of others fairly?</li> <li>Can children explain how they could improve their product if they were to make it again?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Finished shelters</li> <li>Worksheet 6A/6B/6C</li> </ul>