




## Year 5 – Tents

<p><b>Concepts</b></p>	 <p>Finding out about what already exists and how things work</p> <p>Innovate</p>	 <p>Using a range of skills and tools to design and make</p> <p>Technique</p>	 <p>Evaluate success of own and others' design</p> <p>Evaluate</p>
<p>In previous D&amp;T units, the children have created a shelter for insects as well as using a range of tools to cut and join materials together. This topic gives them the opportunity to develop these skills by designing a shelter that would provide safety in the desert. They will need to use their knowledge of the climate, materials and how to make a secure structure in order to design and make a prototype. This will support future learning in Year 6, where the design and make a shelter to withstand an impact.</p>			
<p><b>National Curriculum</b></p>			
<ul style="list-style-type: none"> <li>• I can use my research into existing products and my market research to inform the design of my innovative product</li> <li>• I can create prototypes to show my ideas</li> <li>• I can make careful and precise measurements so that joins, holes and openings are in exactly the right place</li> <li>• I can produce step by step plans to guide my making, demonstrate that I can apply my knowledge of different materials, tools and techniques</li> <li>• I can make detailed evaluations about existing products and my own considering the views of others to improve my work</li> <li>• I can build more complex 3D structures and apply my knowledge of strengthening techniques to make them stronger or more stable</li> </ul>			
<p><b>Learning Overview</b></p>			
<ul style="list-style-type: none"> <li>• Research the design of a number of different tents</li> <li>• Consider the uses of different types of tents</li> <li>• Evaluate how the design of the tents vary with accordance of the purpose of the tent</li> <li>• Research the ways in which people protect themselves in the desert at night</li> <li>• Learn about nomads and the resources they use in the desert</li> <li>• Evaluate suitable materials which could be used in the night to create a shelter</li> <li>• Consider the structure of the shelter, ensuring it will stay standing</li> <li>• Make a prototype for a shelter to be used in the desert, using appropriate tools, materials and techniques</li> <li>• Evaluate end product against the design criteria</li> </ul>			