



Prior Learning	
<p>This unit will build on the knowledge and skills learned in KS1                  Prior learning will be the skill of measuring accurately and knowledge of using different materials and ways of joining them. This unit will develop the children's understanding of frame structures and how they can be strengthened and stiffened. The children will gain knowledge and understanding about the parts and shapes of kites.</p>	
Key vocabulary for this unit	
Kite Homan Walsh Structure Strengthen and stiffen Niagara Falls Frame	Sail Line Tail Keel Spars
Learning Sequence	
<b>Key Events and Individuals</b>	<ul style="list-style-type: none"> <li>To explain how key events and individuals in design and technology have helped to shape the world.</li> </ul>
<b>Parts Of A Kite</b>	<ul style="list-style-type: none"> <li>To name and explain the function of the different parts of a kite.</li> </ul>
<b>Kite Shapes</b>	<ul style="list-style-type: none"> <li>To investigate kite shapes.</li> <li>To select from and use materials and components.</li> </ul>
<b>Designing</b>	<ul style="list-style-type: none"> <li>To develop design criteria.</li> <li>To develop and communicate a design for a kite.</li> </ul>
<b>Making The Shape And Structure Of The Kite</b>	<ul style="list-style-type: none"> <li>To accurately measure and cut the shape of the body of the kite and join it to the frame structure.</li> <li>To make a strong and stiff frame structure to support the kite.</li> </ul>
<b>Evaluating The Kite</b>	<ul style="list-style-type: none"> <li>To evaluate the kite.</li> </ul>
Assessment milestones	

**Working practically:**

- Build and join strong frame structures.
- Strengthen and stiffen materials.

**Design and Technology Knowledge:**

- Explain how Homan Walsh used a kite to build the Niagara Falls bridge.
- To use research into the shape and parts to develop simple design criteria.