

Year 2 Autumn

<p>Design NC LOs</p>	<p><b>Design:</b></p> <ul style="list-style-type: none"> <li>design purposeful, functional, appealing products for themselves and other users based on design criteria</li> <li>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</li> </ul> <p><b>Make:</b></p> <ul style="list-style-type: none"> <li>select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li> <li>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</li> </ul> <p><b>Evaluate:</b></p> <ul style="list-style-type: none"> <li>explore and evaluate a range of existing products</li> <li>evaluate their ideas and products against design criteria</li> </ul> <p><b>Technical knowledge:</b></p> <ul style="list-style-type: none"> <li>build structures, exploring how they can be made stronger, stiffer and more stable</li> <li>explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products</li> </ul> <p><b>Cooking and Nutrition:</b></p> <ul style="list-style-type: none"> <li>use the basic principles of a healthy and varied diet to prepare dishes</li> </ul> <p>understand where food comes from.</p>														
<p>Topic</p>	<p>Great Fire of London</p>	<p>Knowledge organiser</p>	<p>1.4 Solid Structures</p>												
<p>Scenario</p>	<p>Springfield road has been destroyed and we now need a bridge to get from SPA to College stores.</p>														
<p>Concepts</p>	<p>Technical Knowledge Practical Knowledge Design Process</p>	<p>Resources</p>	<p>cubes, glue, card</p>												
<p>Vocabulary</p>	<p>solid, mortar, hollow, dam, bond, balanced, architects, foundations,</p>														
<p>Unit Development</p>	<table border="1"> <tr> <td data-bbox="293 1141 853 1198"> <p>Lesson 1: Solid Structure (pg. 59, 60)</p> </td> <td colspan="2" data-bbox="853 1141 2089 1198"> <p>LO: To develop technical knowledge. LO: To identify key features of a structure.</p> </td> </tr> <tr> <td data-bbox="293 1198 853 1256"> <p>Lesson 2: Design Inspiration (pg. 62, 64)</p> </td> <td colspan="2" data-bbox="853 1198 2089 1256"> <p>LO: To explore techniques for strengthening a structure. LO: To understand the importance of stability.</p> </td> </tr> <tr> <td data-bbox="293 1256 853 1313"> <p>Lesson 3: Guided Design - (pg. 72-73)</p> </td> <td colspan="2" data-bbox="853 1256 2089 1313"> <p>LO: To develop and communicate ideas by drawing and talking.</p> </td> </tr> <tr> <td data-bbox="293 1313 853 1370"> <p>Lesson 4: Guided Design - (pg. 74)</p> </td> <td colspan="2" data-bbox="853 1313 2089 1370"> <p>LO: To select and use appropriate materials to create a solid structure.</p> </td> </tr> </table>			<p>Lesson 1: Solid Structure (pg. 59, 60)</p>	<p>LO: To develop technical knowledge. LO: To identify key features of a structure.</p>		<p>Lesson 2: Design Inspiration (pg. 62, 64)</p>	<p>LO: To explore techniques for strengthening a structure. LO: To understand the importance of stability.</p>		<p>Lesson 3: Guided Design - (pg. 72-73)</p>	<p>LO: To develop and communicate ideas by drawing and talking.</p>		<p>Lesson 4: Guided Design - (pg. 74)</p>	<p>LO: To select and use appropriate materials to create a solid structure.</p>	
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