



## Knowledge Organiser: YEAR 2

TOPIC	KEY SKILLS	KEY VOCABULARY																				
<p>Topic: Structures: Baby Bears Chair</p> <p>Media:</p>	<p><u>Skills</u></p> <ul style="list-style-type: none"> <li>• Generating and communicating ideas using sketching and modelling.</li> <li>• Learning about different types of structures, found in the natural world and in everyday objects.</li> <li>• Making a structure according to design criteria.</li> <li>• Creating joints and structures from paper/card and tape.</li> <li>• Building a strong and stiff structure by folding paper.</li> <li>• Exploring the features of structures.</li> <li>• Comparing the stability of different shapes.</li> <li>• Testing the strength of their own structures.</li> <li>• Identifying the weakest part of a structure.</li> <li>• Evaluating the strength, stiffness and stability of their own structure.</li> </ul>	<table border="1"> <tr> <td><b>Function</b></td> <td>How something works.</td> </tr> <tr> <td><b>Man-made</b></td> <td>Made by people.</td> </tr> <tr> <td><b>Mould</b></td> <td>To form different shapes out of soft, squishy materials.</td> </tr> <tr> <td><b>Natural</b></td> <td>Found in nature e.g. spider's web, sheep's wool.</td> </tr> <tr> <td><b>Stable</b></td> <td>Object does not easily topple over.</td> </tr> <tr> <td><b>Stiff</b></td> <td>A material or object that does not bend easily (e.g. wood).</td> </tr> <tr> <td><b>Strong</b></td> <td>Something that is not easily broken (e.g. wood, brick, building).</td> </tr> <tr> <td><b>Structure</b></td> <td>Something that has been made and put together and can usually stand on its own (e.g. a building, a bridge, a chair).</td> </tr> <tr> <td><b>Test</b></td> <td>To find out whether something works as it should.</td> </tr> <tr> <td><b>Weak</b></td> <td>Something that is easily broken (e.g. paper, egg shells).</td> </tr> </table>	<b>Function</b>	How something works.	<b>Man-made</b>	Made by people.	<b>Mould</b>	To form different shapes out of soft, squishy materials.	<b>Natural</b>	Found in nature e.g. spider's web, sheep's wool.	<b>Stable</b>	Object does not easily topple over.	<b>Stiff</b>	A material or object that does not bend easily (e.g. wood).	<b>Strong</b>	Something that is not easily broken (e.g. wood, brick, building).	<b>Structure</b>	Something that has been made and put together and can usually stand on its own (e.g. a building, a bridge, a chair).	<b>Test</b>	To find out whether something works as it should.	<b>Weak</b>	Something that is easily broken (e.g. paper, egg shells).
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<p><b>OBJECTIVES</b></p>																						
<p>Pupils who are <b>secure</b> will be able to:</p> <p>Identify man-made and natural structures.</p> <p>Identify stable and unstable structural shapes.</p> <p>Contribute to discussions.</p> <p>Identify features that make a chair stable.</p> <p>Work independently to make a stable structure, following a demonstration.</p> <p>Explain how their ideas would be suitable for Baby Bear.</p> <p>Produce a model that supports a teddy, using the appropriate materials and construction techniques.</p> <p>Explain how they made their model strong, stiff and stable.</p>																						

### FOCUS ARTIST INSPIRATION



