

## Curriculum Overview – Year 8 Design

Unit Title	Learning	How can parents best support?
<p><b>Resistant Material</b> Picture Frame</p>	<ul style="list-style-type: none"> <li>• Health and safety for specific tools (chisel, mallet)</li> <li>• Technological Knowledge</li> <li>• Using a range of materials and components</li> <li>• Natural and manufactured timber (<i>sources classification and properties</i>)</li> <li>• Understanding a specification</li> <li>• Evaluating a project</li> <li>• Explore different design styles and designers</li> </ul>	<p>Encourage your child to consider how timber based products in the home are manufactured. Look at the difference between natural timbers and veneers products.</p>
<p><b>Product Design</b> USB Lamp</p>	<ul style="list-style-type: none"> <li>• User needs and user centred design</li> <li>• Design and making solutions</li> <li>• Research exploration</li> <li>• Different cultures</li> <li>• Electronics</li> <li>• Evaluate, getting views of intended users and testing.</li> <li>• Oral presentations based on research tasks</li> </ul>	<p>Encourage your child to research into basic electronics, how things work and what powers them.</p> <p>Encourage your child to watch and discuss new technologies</p>

<p><b>Graphics</b> Phone case</p>	<ul style="list-style-type: none"> <li>• User needs and user centred design</li> <li>• Design and making solutions</li> <li>• Research exploration</li> <li>• Different cultures</li> <li>• Select and use specialists techniques and processes</li> <li>• Costings of products</li> <li>• Polymers (<i>sources classification and properties</i>)</li> <li>• Making</li> <li>• Evaluate, getting views of intended users and testing.</li> </ul>	<p>Encourage your child to watch shows such as Blue Planet to gain a wider understanding on the environmental impact of the use of plastics.</p>
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