

Year 7- Design and Technology

Topic	Rationale	Knowledge acquisition. To Know.... ...that (Declarative) ....how (Procedural)	Tasks - Notes	Key Tier 2/3 Vocabulary	Core Skills and enrichment opportunities
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Design and Technology Introduction</b></p>	<p>An introduction to Design and Technology including working safely in a workshop environment. Delivering a core message that DT is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.</p> <p><b>Links to.....</b> KS2. Product analysis and investigation.</p> <p><b>Ladders towards....</b> Safe and independent practical work. Analysis of existing products and the work of others. Evolution of products, and developments in technology.</p>	<p>Lesson 1: Health and Safety in D&amp;T To know that Health and Safety in D&amp;T is paramount. How to conduct yourself in a Workshop safely.</p>	<p>List H&amp;S rules Workshop walk through &amp; discussion <b>Baseline Homework</b></p>	<p>Workshop Risk assessment Routines</p>	<p><b>Subject specific Skills.</b></p> <ul style="list-style-type: none"> <li>• Collaborative working</li> <li>• Analysis</li> <li>• Generation of ideas</li> <li>• Graphical communication</li> </ul> <p><b>Numeracy</b></p> <ul style="list-style-type: none"> <li>• Reference to dates in product development.</li> </ul> <p><b>Literacy</b></p> <ul style="list-style-type: none"> <li>• Key vocab, meanings and context</li> </ul> <p><b>Cultural Capital</b></p> <ul style="list-style-type: none"> <li>• Where do products come from?</li> <li>• Why is DT important to us in our daily lives?</li> </ul> <p><b>Links to National Curriculum</b></p> <p><b>Design:</b></p> <ul style="list-style-type: none"> <li>• Use research and exploration, such as the study of different cultures, to identify and understand user needs</li> </ul> <p><b>Evaluate:</b></p> <ul style="list-style-type: none"> <li>• Analyse the work of past and present professionals and others to develop and broaden their understanding</li> <li>• Understand developments in design and technology, its impact on individuals, society and the environment, and the responsibilities of designers, engineers and technologists.</li> </ul>
		<p>Lesson 2: What is D&amp;T? To know what D&amp;T is – what does it mean to you? To know Where D&amp;T fits into our lives.</p>	<p><b>Homework misconceptions</b> Spider diagram Create a Slogan Design a Logo/mascot</p>	<p>Plan Design Innovate Create</p>	
		<p>Lesson 3: What is D&amp;T? To know that designs can be created through collaborative thinking using inspiration from the world around us.</p>	<p>Create a Slogan Design a Logo/mascot <a href="#">Assessment and feedback on design task.</a> <a href="#">Live marking opportunity</a></p>	<p>Develop Evaluate</p>	