

# Subject Overview Product Design – Year 10

The Product Design curriculum is structured to develop students' knowledge and understanding of a wide range of techniques, materials, and processes. Through varied learning experiences, including practical exploration, critical engagement with sources, and analysis of the work of artists, designers, and craftspeople. Students build a strong foundation. This enables them to produce personal, meaningful, and independent responses that reflect their creative intentions.

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Knowledge & Skills	<p>Supporting portfolio work <b>Barbara Hepworth (23 Lessons)</b> <b>SHAPE</b> development using a range of different processes and materials inspired by the work of Barbara Hepworth. Processes include hand and machine drilling, clay and foam shaping. through the first 3 artists. This work will be submitted as supporting evidence alongside the 60% MCP project</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Assessment 1</b></p> <ul style="list-style-type: none"> <li>• AO1 – Develop ideas</li> <li>• AO2 – Experiment</li> <li>• AO3 – Record</li> <li>• AO4 – Respond</li> </ul> </div>	<p>Supporting portfolio work <b>Yukhiro Akama (21 Lessons)</b> <b>SURFACE TEXTURE</b> development using a range of different processes and materials inspired by the work of Yukhiro Akama. Processes will include hand manipulation of wood surfaces, CAD and lino printing. This work will be submitted as supporting evidence alongside the 60% MCP project</p>	<p>Supporting portfolio work <b>David Umemoto (18 Lessons)</b> <b>LAYERS</b> development using a range of different processes and materials inspired by the work of David Umemoto. Processes will include casting, CAD and hand cutting layered shapes from wood, acrylic and soft metals. Students begin building a <b>coursework portfolio</b>, which counts for <b>60% of the final grade</b>.</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Assessment 2</b></p> <ul style="list-style-type: none"> <li>• AO1 – Develop ideas</li> <li>• AO2 – Experiment</li> <li>• AO3 – Record</li> <li>• AO4 – Respond</li> </ul> </div>	<p><b>Major Coursework Project Architectural Lighting Zaha Hadid (12 Lessons)</b> Sustained Project exploring the theme of <i>architecture</i>. Students begin to experiment with a broader range of materials and processes, refining their work through the exploration of ideas and the thoughtful selection and use of appropriate media, materials, techniques, and processes. Looking at the work of Zaha Hadid students experiment with paper, card, acrylic and CAD learning how to manipulate materials to create curved and free flowing structures.</p>	<p><b>Major Coursework Project Architectural Lighting Norman Foster</b> Students refine their portfolios based on feedback, presenting meaningful responses that express their intentions and connect to relevant designers, architects or sources. Looking at the work of Norman Foster students will explore geometric patterns both in the workshop and the CAD room.</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Assessment 3 Mock Exam</b></p> <ul style="list-style-type: none"> <li>• AO1 – Develop ideas</li> <li>• AO2 – Experiment</li> <li>• AO3 – Record</li> <li>• AO4 – Respond</li> </ul> </div>	<p><b>Major Coursework Project Architectural Lighting Architect of their choosing (21 Lessons)</b> Students begin to develop their project in a personal way responding to architects chosen individually and to any primary research they may have undertaken. All work should be professionally documented in the online portfolio and annotated to a high-level explaining thought, processes and successes/failures along the way.</p>
Beyond The Curriculum	<ul style="list-style-type: none"> <li>• <b>School enrichment clubs:</b> Year 10 Product Design Club Thursday 3.30-4.30</li> <li>• <b>Suggested Places to visit:</b> Yorkshire Sculpture Park The Hepworth Wakefield</li> <li>• <b>Websites to explore:</b> YouTube tutorials on Techsoft V3 www.onshape.com</li> </ul>	<ul style="list-style-type: none"> <li>• <b>School enrichment clubs:</b> Year 10 Product Design Club Thursday after school 3.30-4.30</li> </ul>	<ul style="list-style-type: none"> <li>• <b>School enrichment clubs:</b> Year 10 Product Design Club Thursday after school 3.30-4.30</li> </ul>	<ul style="list-style-type: none"> <li>• <b>School enrichment clubs:</b> Year 10 PD Club Thursday</li> <li>• <b>Suggested Places to visit:</b> Leeds Manchester, Liverpool photographing buildings and structures</li> <li>• <b>Websites to explore:</b> <a href="https://heatherwick.com">https://heatherwick.com</a> <a href="http://www.zaha-hadid.com">www.zaha-hadid.com</a> www.onshape.com</li> </ul>	<ul style="list-style-type: none"> <li>• <b>School enrichment clubs:</b> Year 10 PD Club Thursday</li> <li>• <b>Suggested Places to visit:</b> Leeds City Centre, Manchester, Liverpool photographing buildings and structures</li> <li>• <b>Websites to explore:</b> <a href="https://heatherwick.com">https://heatherwick.com</a> www.fosterandpartners.com</li> </ul>	<ul style="list-style-type: none"> <li>• <b>School enrichment clubs:</b> Year 10 PD Club Thursday</li> <li>• <b>Places to visit:</b> Leeds Manchester, Liverpool photographing buildings and structures</li> <li>• <b>Websites to explore:</b> <a href="https://heatherwick.com">https://heatherwick.com</a></li> <li>• <b>Enrichment clubs:</b> Year 10 PD Club Thursday</li> </ul>