

Year 7	Year 8
<p><b>Product Design</b></p> <p><b>Laminated door sign, mini makes and drawing skills</b></p> <p>Assessment:            AP1: CAD/CAM – design skills and accuracy will be assessed            AP2: Applying a finish – quality and correct application will be assessed            AP3: Design process – research and design ideas will be assessed            AP4: Products of the future – modelling and design ideas will be assessed            AP5: Perspective drawing – one point and two point perspective drawings will be assessed on accuracy and quality.            AP6: General technology knowledge – a series of multiple choice, written and design question will be assessed in exam conditions.</p> <p>Skills:            Developing knowledge and understanding of the key areas of the design process. Key focus on planning. Introduction to workshop and health and safety. Accurate use of a coping saw, applying a high quality finish and minor metal work skills.</p> <p><i>SMSC/British Values:            How companies use the design process and manufacturing techniques.            Sustainability of materials and group work.</i></p>	<p><b>Product Design</b></p> <p><b>Mini Amp</b></p> <p>Assessment:            AP1: Design process – research, specification and design ideas will be assessed.            AP2: Circuit soldering – soldering accuracy and working circuit will be assessed.            AP3: Advanced CAD/CAM – design skills and accuracy will be assessed            AP4: Construction of the amp – Accuracy and design style will be assessed.            AP5: Marketing and advertisement – creativity of advertisement will be assessed.            AP6: Evaluation –quality of written evaluation and peer evaluation will be assessed.</p> <p>Skills:            Developing knowledge and understanding of the key areas of the design process. Introduction to textiles and how to set up machine. Accurate use of a sewing machines and hand stitching. Focus on seams. Introduction of decorative techniques.</p> <p><i>SMSC/British Values:            How stuffed products are made, sustainability, cultural values and teamwork.</i></p>
<p><b>Enrichment/Extra Curriculum:</b></p> <ul style="list-style-type: none"> <li>• <i>Extended support at break and lunch times.</i></li> <li>• Robotics club in summer term</li> </ul>	