



Year 9 Design and Technology	Working towards expected outcomes	Working at expected outcomes	Working beyond expected outcomes
	<p>Your child is not yet making the expected progress within this course.</p> <p>These students are developing basic skills in both theory and practical work but need frequent support to meet expectations. Their homework may lack technical accuracy.</p> <ul style="list-style-type: none"> <li>Needs regular support to use workshop tools safely (e.g. scroll saws, drills, screwdrivers, soldering irons).</li> <li>Basic marking and cutting skills evident but may lack precision or finish (e.g. uneven shapes, splintered edges).</li> <li>CAD design is attempted but may be incomplete, incorrectly formatted (e.g. wrong colours used or incorrect dimensions), or missing key elements like LED slots or rounded corners.</li> <li>Struggles to solder or assemble circuits independently, needing frequent teacher intervention.</li> <li>LED placement or wiring may be faulty or incomplete.</li> <li>Packaging design is minimal or lacks relevance to the product/user.</li> <li>Independent learning quizzes or tasks show limited understanding of DT processes.</li> <li>Presentation and promotional materials are basic, with limited</li> </ul>	<p>Your child is achieving the expected progress for this point within the course.</p> <p>Students in this category demonstrate secure understanding and growing confidence in both the design and manufacture of their product. They complete practical and homework tasks to a good standard.</p> <ul style="list-style-type: none"> <li>Uses saws, drills, and soldering tools safely and with necessary accuracy, producing a functional product.</li> <li>Base is neatly constructed from wood and plywood with aligned components and countersunk screw heads.</li> <li>CAD file is complete and technically correct (e.g. correct sizing, LED cutout, red/black line usage, grouped design).</li> <li>Electrical assembly is completed correctly with working LED, clean solder joints, and effective use of heat shrink.</li> <li>Wire routing is tidy, with a correctly positioned notch in the base.</li> <li>Independent learning quizzes and tasks show good understanding of key terminology.</li> <li>Packaging design is thoughtful and reflects product branding and user appeal.</li> <li>Final presentation clearly communicates key features, materials used and intended user.</li> </ul>	<p>Your child is exceeding the expected progress.</p> <p>Students working beyond expectations show a high level of independence, creativity, and technical skill in both the practical and theoretical elements of the course.</p> <ul style="list-style-type: none"> <li>Demonstrates advanced precision and control using a range of tools and techniques (e.g. scroll saw, drill, countersink, soldering).</li> <li>Base and acrylic are cut, fitted, and finished to a professional standard, with great attention to detail and excellent surface quality.</li> <li>CAD design is creative, functional, and highly polished, with efficient layout, smooth contours, and effective image tracing techniques.</li> <li>Soldering is clean and durable. The circuit functions perfectly with thoughtful wire routing and insulation.</li> <li>Wire placement and LED positioning demonstrate problem-solving and aesthetic awareness.</li> <li>Independent learning tasks consistently show deep understanding of DT theory, with clear use of technical vocabulary and confident application of knowledge.</li> <li>Packaging and promotional materials are original, engaging, and well-targeted, with strong awareness of branding, market, and user needs.</li> </ul>



	explanation of product features, user benefit, or design decisions.		
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