



Year 8 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>Students in this category may need additional support or time to meet the expectations for Year 8 DT. They are beginning to show understanding but may lack consistency, confidence, or accuracy in their practical and design work.</p> <ul style="list-style-type: none"> • Can mark out and cut basic shapes but needs significant guidance to work accurately and safely. • Requires support to use tools and machinery such as coping saws, scroll saws, and pillar drills. • Needs help selecting and using appropriate materials and components (e.g. plywood, HIPS, motors). • CAD designs may lack detail or correct sizing and require teacher support to complete. • Struggles to assemble components independently, often needing guidance to complete wiring or chassis assembly. • Presentation and evaluation of work is basic, with limited technical vocabulary or reflection on user needs. • Client theming is unclear or not effectively communicated in the final car design. 	<p>Your child is achieving the expected progress for this point within the course.</p> <p>These students meet the standard expected for Year 8 DT. They demonstrate growing independence, practical competence, and are beginning to apply key concepts and terminology effectively.</p> <ul style="list-style-type: none"> • Can accurately mark and cut components such as the chassis, using coping and scroll saws with occasional guidance. • Uses workshop tools and equipment safely and with growing confidence, following demonstrations and safety rules. • Produces a functional product that meets most design criteria and includes basic user/client consideration. • Completes a suitable CAD wheel design using the correct software and file setup for CAM processing. • Successfully assembles mechanical and electrical components to create a working vehicle. • Makes reasonable refinements during testing, such as improving wheel alignment or adjusting the drive belt. • Produces a presentable knowledge mat and themed design with some reference to user needs and context. 	<p>Your child is exceeding the expected progress.</p> <p>Students working beyond expected outcomes are demonstrating a very high level of skill, independence, and creativity in their project work. Their designs are well thought out and expertly executed, showing depth of understanding and clear user focus.</p> <ul style="list-style-type: none"> • Consistently accurate and independent in marking, cutting, and shaping materials using a variety of hand and machine tools. • Uses the workshop confidently and safely, supporting others and demonstrating mature understanding of health and safety. • CAD work is detailed, efficient, and original, with an understanding of technical tolerances (e.g. radius accuracy, group layout). • Integrates mechanical and electrical systems precisely, achieving a fast and well-balanced car with minimal friction. • Actively tests and iterates their design for speed, style, and function—demonstrating deep understanding of performance factors. • Designs are strongly themed to a clear client profile, with high-quality presentation and visual impact. • Fluently uses technical vocabulary, detailed explanation of processes, and excellent understanding of materials, processes, and performance.