

Year 8 - Design & Technology Curriculum Plan

Topics covered	Assessments
<p>STRUCTURES PROJECT</p> <ul style="list-style-type: none"> ▶ Learn about different structures and their uses/properties. ▶ Learn about different forces and their effects. ▶ Be analytical about existing products to aid the design and making of their own products. ▶ Distinguish between the quality of the design and the quality of manufacture. ▶ Introduction to a range of new hand tools, machinery and methods. ▶ Discover industrial production methods and how this could affect their own products. <p>ELECTRONICS</p> <ul style="list-style-type: none"> ▶ Introduction to types of components. ▶ Understanding of the linking of subsystems, mechanism, electronics, computer control and feedback. ▶ Introduction to flow charts/diagrams. ▶ Review progress against plans at important stages of the task. <p>OPEN ENDED DESIGN PROJECT</p> <ul style="list-style-type: none"> ▶ To develop independent working skills. ▶ Find a design need and solutions. ▶ Plan practical work through to a finish piece. ▶ Complete a final product. 	<p>Each project is assessed according to National Curriculum guidelines for Key Stage 3 and our faculty marking policy.</p> <p>National Curriculum targets are negotiated and written in the pupil planner. Pupils then assess their own work at the end of each project and set small goals which will help them reach their end of year target.</p> <p>The main emphasis is on practical skills that are marked according to:</p> <ul style="list-style-type: none"> - Preparation before the lesson (homework) - Safe and correct use of equipment - Designing to meet a demand/brief - Working health and safety - Final outcome with formative feedback
<p><u>Home enrichment opportunities</u></p> <p>www.technologystudent.com Great for homework, coursework and revision.</p> <p>Google SketchUp Free download of excellent CAD software, brilliant practice for future work.</p> <p>Design Museum London (Near London Bridge) Shad Thames, London, SE1 2YD</p> <p>100% Design Exhibition 22-25th September Earls Court, London</p> <p>The London Design Festival 17-25th September Several locations in London so check out the website.</p> <p>University Exhibitions Whether thinking about designs degrees or not it is worth seeing the design work exhibited by design students at the end of their courses (usually May-June). For exa</p>	