


Subject	Assessment	Information about the course	This subject will suit...
<p>Technical Award in Materials Technology</p> <p>The Technical award in Materials Technology is a brand new exciting high quality qualification that will equip students with applied knowledge and real life practical skills to prepare them for further study, apprenticeships and the work place.</p>  <p>Taught by Mr A. Cantrill</p> <p>(Please note: to date the specification is still in draft format, and is awaiting formal classification however we are confident that the body of the course will largely remain the same)</p>	<p>There are three assessment units;</p> <p>Unit 1 (30%) Skills demonstration – Learners will create a number of small practical outcomes to demonstrate their competency in 12 core skills. This will include the transferable skills of teamwork.</p> <p>Unit 2 (30%) Extended making project – Learners will undertake an extended making project that showcases the skills they have developed in unit 1 and the knowledge and understanding they have acquired in unit 3. Learners will develop skills in planning and development, making, testing and evaluation and the transferable skills of communication. Learners will produce a portfolio evidencing planning, development, testing and evaluation stages.</p> <p>Unit 3 (40%) Fundamentals of materials Technology (Exam – 1hour 30 mins) – Learners will study the fundamentals of materials and their working properties, processes of manufacture, product specification, commercial practice and careers opportunities.</p>	<p>You will have the opportunity to develop and experiment with your creative approach to materials and design. You will learn and develop the technical skills involved in making basic products / projects and will learn about the processes involved in making such products. Some of the areas covered in Materials Technology will be:</p> <ul style="list-style-type: none"> • Materials and components • Design of products / projects • Market influence • Processes and manufacturing • Environmental and sustainability issues <p>You will also develop a range of skills and knowledge including:</p> <ul style="list-style-type: none"> • Measuring and marking out • Use of tools, equipment and machinery • Quality assurance and quality control • CAD /CAM <p>It is equivalent to a single GCSE. Students with a Technical award qualification will be able to go on to study A levels or Vocational courses and will be considered by Colleges as EQUAL to a GCSE in fulfilling the entry requirements for a range of courses.</p>	<p>Those students that;</p> <p>...like to solve problems with practical solutions.</p> <p>...can ‘think outside the box’ to generate innovative ideas</p> <p>...are interested in Materials used to create functional products</p> <p>... prefer a more practical approach to their learning.</p> <p>...want to go on to study A levels or Vocational courses</p> <p>The Technical Award in Materials Technology is ideal for both male and female students that enjoy a more practical style of learning</p>

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