

Year 10 BTEC Engineering Curriculum Plan

Topics covered	Assessments
<p><u>Edexcel Level 2 BTEC Extended Certificate in Engineering</u></p> <p>Unit 1 - Working Safely and Effectively in Engineering This unit aims to give learners an understanding of statutory regulations and organisational safety requirements to enable them to work safely, efficiently and effectively in engineering.</p> <p>Unit 14 - Selecting and Using Secondary Machining Techniques to Remove Material This unit gives learners the opportunity to explore, select and use appropriate secondary machining techniques to remove material.</p>	<p>The course is continuously assessed and work is presented in the form of a portfolio.</p> <p>There are no exams in BTEC courses, although an internal exam may be used to assess pupil's knowledge of the subject.</p> <p>Pupils portfolios are internally assessed and undergo external moderation.</p>
<p>Home enrichment opportunities</p> <p>The following are resources and websites that are useful for Engineering Subjects:</p> <p>http://phet.colorado.edu/en/simulations/category/new</p> <p>http://www.teachersdomain.org/collection/k12/sci.engin.design.invent/</p> <p>http://www.thetech.org/exhibits/online/robotics/index.html</p>	

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<p><u>Edexcel Level 2 BTEC Extended Certificate in Engineering</u></p> <p>Unit 2 - Interpreting and Using Engineering Information This unit aims to give learners the knowledge and skills needed to use engineering information such as drawings and working instructions to carry out manufacturing or engineering process operations.</p> <p>Unit 5 - Engineering Maintenance Procedures This unit gives learners the opportunity to explore the purpose, procedures and resources required to carry out maintenance activities on non-complex engineering systems.</p> <p>Unit 8 - Selecting Engineering Materials This unit will give learners an understanding of common engineering materials and their properties and will enable them to select appropriate materials for different engineering applications.</p>	<p>The course is continuously assessed and work is presented in the form of a portfolio.</p> <p>There are no exams in BTEC courses, although an internal exam may be used to assess pupil's knowledge of the subject.</p> <p>Pupil's portfolios are internally assessed and undergo external moderation.</p>
<p>Home enrichment opportunities</p> <p>The following are resources and websites that are useful for Engineering Subjects:</p> <p>http://phet.colorado.edu/en/simulations/category/new</p> <p>http://www.teachersdomain.org/collection/k12/sci.engin.design.invent/</p> <p>http://www.thetech.org/exhibits/online/robotics/index.html</p>	