

**Exam Board:** WJEC  
**Qualification:** Level 1/2 Vocational Award in Engineering (Technical Award)  
**Assessment Information:** 2 controlled assessments:  
total 30 hours, 60%  
1 exam 1h 30 min, 40%

[Link to official specification](#)

**Department Information:**  
*The Design Technology department empowers students to explore creativity and innovation through hands-on learning. Our curriculum covers product design, engineering, and Textiles, emphasizing sustainability and real-world applications. With good facilities, we cultivate technical skills and critical thinking, preparing students for future careers in the dynamic field of design.*

*By integrating these values into the curriculum and classroom culture, we can cultivate well-rounded students who excel not only in Design Technology but in their overall personal development.*

**ACHIEVE in the curriculum:**  
*AMBITION: Students are encouraged show ambition throughout the course, tasks are offered at a variety of difficulty levels providing students with the opportunity to stretch and challenge themselves. Students are taught to behave with integrity, particularly when using tools and machinery.*

**Curriculum Aims & Intent:**

*The aim of this course is to provide students with a solid grounding in basic engineering skills, including (but not limited to) the use of hand tools and machinery, project planning (materials, time, budget, H&S), technical drawing (hand drawing and CAD).*

*This vocational course is an excellent first step to a career in Engineering and/or provides learners with a wide range of valuable transferrable skills for other career paths, including: practical, organisational, and teamwork skills, among others.*

**Resources:**

WJEC.co.uk

Textbook: Level 1/2 Vocational Award – Engineering. Author: Matthew Wrigley. ISBN: 978-1-86085-751-5

**How we keep parents informed:**

*Year 11 - Progress reports are published 4 times per year, in October, December, February and March, with a face-to-face parents' evening in October.*

**How parents can help their child:**

*Support with good attendance.*

*Support with homework completion and timely submission.*

*Attend parents' evenings.*

*Communicate concerns at earliest opportunity.*

<b>What we study and when:</b>					
<b>Term</b>	<b>Unit, Topic Or Summary Of Work Covered</b>	<b>Knowledge, Understanding &amp; Skills Developed</b>	<b>ACHIEVE / Personal Development Focus</b>	<b>How The Work Is Assessed</b>	<b>Careers Links</b>
<b>1</b> (Sept – Oct HT)	<i>Continuation of controlled assessment 1 set by exam board. Completion of planning phase started at the end of Yr.10, moving into and completing the practical element of the assessment.</i>	<i>Application of previous knowledge learnt in Yr10, including project planning and a range of practical skills including using CAD, working with metals and using the lathe.</i>	<i>Ambition – inspiring students to complete the task to the best of their ability.</i>	<i>The completed assignment is assessed by the teacher then moderated by the exam board.</i>	<i>After summer, students rewatch the careers video from Yr.10 to inspire/remind them of where the course could take them.</i>
<b>2</b> (Oct HT – Christmas)	<i>Completion of controlled assessment 1 followed by preparation for cont.amt 2 starting after Christmas.</i>	<i>Application of previous knowledge, as above, to complete the practical element of the assessment.</i>	<i>Versatility – drawing on a range of skills to complete tasks.</i>	<i>As above.</i>	<i>As above</i>
<b>3</b> (Jan – Feb HT)	<i>Introduction of controlled assessment 2 (designing engineering products) set by exam board.</i>	<i>Application of previous knowledge learnt in Yr10, how to use CAD for Engineering.</i>	<i>Endurance – students move onto the second of two assessment tasks, requiring the endurance to maintain focus throughout.</i>	<i>As above.</i>	<i>As above.</i>
<b>4</b> (Feb – Easter)	<i>Completion of controlled assessment 2 followed by exam revision in preparation for final exam.</i>	<i>Application of previous knowledge learnt in Yr10, how to use CAD for Engineering. Recall and application of previous knowledge learnt for exam revision.</i>	<i>Endurance – to maintain focus throughout revision and into final exam.</i>	<i>As above.</i>	<i>Periodic links to engineering careers provided, relevant to term tasks.</i>
<b>5</b> (Easter – May HT)	<i>Revision for final exam – solving Engineering Problems.</i>	<i>Further revision revisiting topics and completing practise exam questions.</i>	<i>Endurance – as above.</i>	<i>Final exam marked by exam board.</i>	<i>As above.</i>
<b>6</b> (May HT – Summer)	<i>Students on study leave.</i>	<i>Revision.</i>	<i>Integrity – to revise.</i>	<i>As above.</i>	<i>N/A.</i>