

# Engineering - Department Learning Programme



## Curriculum Intent:

During years 7, 8 and 9, students work on projects which help to develop the skills and knowledge to create engineered products and solve problems. Students develop skills for life by creating and reading engineering drawings and learning how to use professional tools within a professional workshop environment. This equips students for future study and possible future careers.

Students who choose Engineering as a course for year 10 and 11 use skills to produce two assignments, a practical one and a design one, and sit an exam which as they work towards a WJEC level 1/2 qualification in Engineering, recognised by colleges and universities.

Y7	Y8	Y9	Y10	Y11
<ul style="list-style-type: none"> <li>Unit 1: Name Tag Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 1: Hook Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 1: Phone Holder Project</li> </ul>	<ul style="list-style-type: none"> <li>Table Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 1 Producing Engineered Products</li> </ul>
<ul style="list-style-type: none"> <li>Unit 2: Picture Frame Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 2: Maze Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 2: Pewter Casting Project</li> </ul>	<ul style="list-style-type: none"> <li>Diameter Checker Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 2 Engineering Design</li> </ul>
Groups rotate with other areas of Design and Technology.	Groups rotate with other areas of Design and Technology.	Groups rotate with other areas of Design and Technology.	<ul style="list-style-type: none"> <li>LED Light Project</li> </ul>	<ul style="list-style-type: none"> <li>Unit 3 Solving Engineering Problems Final Exam</li> </ul>
			<ul style="list-style-type: none"> <li>Mini Vice Project</li> </ul>	
			<ul style="list-style-type: none"> <li>Introduction to Unit 1</li> </ul>	
			<ul style="list-style-type: none"> <li>Introduction to Unit 2</li> </ul>	

Resources to support your child

<https://www.technologystudent.com/>

[https://www.wjec.co.uk/qualifications/engineering-level-1-2/#tab\\_overview](https://www.wjec.co.uk/qualifications/engineering-level-1-2/#tab_overview)