

Subject	Product Design	
Qualification	GCSE	
Exam Board	WJEC Eduqas GCSE (9-1)	
Course summary	<p>GCSE Product Design offers students the opportunity to identify and solve real problems by designing and making products. Students will be prepared to participate confidently and successfully in an increasingly technological world; and be aware of, and learn from, wider influences on design technology, including historical, social/cultural, environmental and economic factors.</p> <p>The course enables students to work creatively when designing and making and apply technical expertise.</p>	
What will students learn?	Year 9 content	<p>Core technical principles New and emerging technologies Energy generation and storage Developments in new materials Electronic systems Mechanical devices Materials categories and properties</p>
	Year 10 content	<p>In-depth technical principles Timbers Metals Plastics Manufacturing techniques</p>
	Year 11 content	<p>Designing and making principles Design and make task - A sustained design and make task, based on a contextual challenge set by the exam board. The task assesses the students ability to:</p> <ul style="list-style-type: none"> • Identify, investigate and outline design possibilities • Design and make prototypes • Analyse and evaluate design decisions
How will students be assessed?	<p>Component 1: Written examination (2 hours) is worth 50% of the qualification</p> <p>Component 2 : Design and make task (approximately 35 hours) is worth 50% of the qualification</p>	