

## PRODUCT DESIGN (RESISTANT MATERIALS)

<b>Exam board</b>	EDEXCEL
<b>Entry requirements</b>	Grade B In Engineering, Resistant Materials or Product Design and/or a Portfolio of Design and Making Skills
<b>Units of study and topics covered</b>	The course seeks to develop your knowledge, understanding, skills and application for designing products. Resistant materials encompasses a wide range of design disciplines but is firmly rooted in the skills required to design and make high-quality products that are fit for purpose, satisfy wants and needs, enhance our day to day lives and, most importantly give you the opportunity to demonstrate your design and technology capability. The qualification emphasises creativity and sustainability.
<b>Forms of assessment used</b>	Over the two years of your A-Level study you will cover : Unit 1 – Portfolio of Creative skills 60% of AS, 30% of A Level Coursework – approx 50 hours Unit 2 –Designing and Technology in Practice 1 hour 30 Minutes written paper 40% of AS, 20% of A Level Unit 3 – Designing for the Future 40% of A2 Level, 20% of full GCE 2 hour written paper Unit 4 – Commercial Design 60% of A Level Coursework – approx 60 hours, 30% of full GCE
<b>Key skills for success</b>	Creative skills, drawing skills, good organisational skills and planning.
<b>Expectations</b>	We always ask for students who are committed, students need to be self motivated. It is expected that students work independently outside of lessons. We look for those who are prepared to question and challenge through their passion of design.
<b>Good subject combinations</b>	As a STEM subject Resistant Materials can work as a good combination with Maths and other Science providing a context for the theory of those subjects. For the more creative student it works very well with the Arts subjects and/or English.
	Resistant Materials could take you into a number of exciting career paths. Of course being a Product designer is a natural outcome, but there are other job prospects. Like working as an Engineer in all sectors as well as many other STEM related roles. The advertising and marketing profession always needs creative people too, as does the manufacturing industry.
<b>Where students can find out more</b>	Information : Thomas Deacon Academy, Technology College. Tel : 01733 426053 <a href="mailto:Claire.dillon@thomsdeaconacademy.com">Claire.dillon@thomsdeaconacademy.com</a>