

<h1>Product Design</h1>	
Exam Board	AQA
Course Entry Criteria	B in GCSE DT Graphics, Resistant Materials, or Product Design and portfolio seen.
Essential skills	In order to take A level Product Design not only do you need a passion for Design you also need to have excellent organisational skills and the ability to problem solve effectively. You will need to be self-motivated and disciplined to meet coursework deadlines whilst still preparing for the examination.
Year 12	<p>This creative and thought-provoking qualification gives students the practical skills, theoretical knowledge and confidence to succeed in a number of careers. Especially those in the creative industries. They will investigate historical, social, cultural, environmental and economic influences on design and technology, whilst enjoying opportunities to put their learning in to practice by producing products of their choice. Students will gain a real understanding of what it means to be a designer, alongside the knowledge and skills sought by higher education and employers.</p> <p>Written Paper - Length of paper: 2 hours</p> <ul style="list-style-type: none"> • 80 marks • 50% of total marks • Section A – Technical Principles (45 marks) • Section B – Designing and Making Principles (35 marks) • 15% of the question paper will assess maths skills in the context of design and technology • Short and extended response • No optional questions <p>Non Examination Assessment (NEA) 50%</p> <ul style="list-style-type: none"> • 35 hours - 80 marks • Single project - Context set by AQA. Students develop their own design brief based on the context. Released 1st June each year. • Written or electronic design portfolio and photographic evidence of final prototype. Recommended 35 pages of A3.
Year 13	<p>Written Papers -</p> <p>Paper 1 –</p> <ul style="list-style-type: none"> • Assessing Technical Principles • 2 hours 30 minutes duration • 30% of total marks. • No separate sections. • Short response at the start of the paper, leading to structured extended answer. • No optional questions. • Maths questions in a D&T context <p>Paper 2 –</p> <ul style="list-style-type: none"> • 1 hour 30 minute paper • Mixture of short answer and structured extended response. • 20% of total marks • Two sections: <p>Section A - Product Analysis Section B - Commercial Manufacture</p> <ul style="list-style-type: none"> • No optional questions <p>Non Examination Assessment (NEA)</p> <ul style="list-style-type: none"> • The coursework provides evidence of the practical application of core technical principles, core designing and making principles and additional specialist knowledge. • It is a substantial design and make task and students are expected to Spend about 45 hours on this work. It is worth 50% of the A level and carries 100 marks. • Students are expected to submit a written or digital design portfolio of about 45 pages, and photographic evidence of the final prototype.

	<ul style="list-style-type: none"> The work will be assessed by teachers and moderated by AQA appointed moderators.
University requirements	Brunel University, University of Leeds, Goldsmiths University of London and Loughborough University all require – A B B Ravensbourne - 2 A levels, grade C or above.
Related courses and careers	Related Courses - Physics, Maths, Art, Engineering and Media. Related Careers – Industrial Design, Product Design, Engineering, Graphic Design, Medical Product Design, Teaching, Architecture, Film Set/Theatre Design, Special Effects Development, Property Development and Interior Design.
Other Details	Meeting to view portfolio will take place on Saturday 21 st January. Students will be encouraged to visit museums, galleries and various exhibitions to gather research that will inspire their coursework, we also run a number of trips at A level including a trip to New York, to help with their studies. Although the school supplies many materials and an extensive range of resources, students will be required to purchase the AQA textbook and contribute towards some resources.