Product Design

The course has been designed to encourage candidates to take a broad view of Design and Technology, to develop their capacity to design and make products and to appreciate the complex relations between design, materials, manufacture and marketing.

Course Structure & Content

Paper 1
What's assessed
Core technical principles and core designing and making principles.
How it's assessed
• Written exam: 2 hours
• 25% of A-level

Paper 2
What's assessed
Specialist knowledge, technical and designing and making principles.
How it's assessed
• Written exam: 2 hours
• 25% of A-level

Section A: Product Analysis.
Section B: Commercial manufacture.

There is the opportunity for students to use the schools vast CAD/CAM resources. The design could be built using Pro Engineer then a prototype model made with the schools 3D Printer.

Non-exam assessment (NEA)
Practical application of technical principles, designing and making principles and specialist knowledge.
Substantial design and make task • 45 Hours • 100 marks • 50% of A-Level

Evidence Digital design portfolio and photographic evidence of final prototype.

Entry Requirements
Students should have achieved at least a grade 5 in a Design & Technology Subject.

Progression
Career Prospects Careers include Product Designer, Architect, Surveyor, Engineer, CAD/CAM Designer/Engineer and Design and technology teaching. Students can progress to higher education in a variety of degree level courses. A distinct advantage for courses such as Computer Aided Product Design and Architecture.