Product Design

Why this course is right for you

Product Design is an inspiring, rigorous and practical subject. This specification encourages learners to use creativity and imagination when applying iterative design processes to develop and modify designs, and to design and make prototypes that solve real world problems, considering their own and others' needs, wants, aspirations and values.

Beyond A Levels

Product Design is right for you if you are interested in developing problem solving skills which will equip you for a career within a wide range of creative industries.

Going further

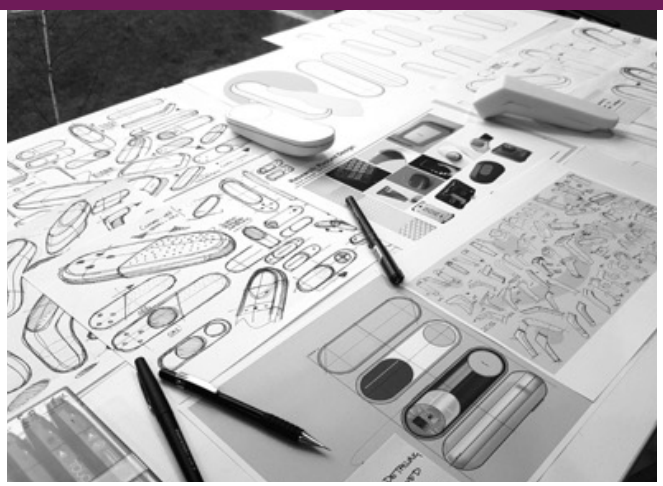
If you think you might be interested in Product Design, take a look at the following:

www.designtechnology.org.uk

www.youtube.com/watch?v=4lLSEDVSAp4

"Good ideas are always crazy until they're not"

Elon Musk



Course Content

Exam board: Edexcel

Head of Department/Faculty: Grace Martin

Topics

Topic 1: Materials
Topic 2: Performance characteristics of materials
Topic 3: Processes and techniques
Topic 4: Digital technologies
Topic 5: Factors influencing the development of products
Topic 6: Effects of technological developments
Topic 7: Potential hazards and risk assessment
Topic 8: Features of manufacturing industries
Topic 9: Designing for maintenance and the cleaner environment
Topic 10: Current legislation
Topic 11: Information handling, Modelling and forward planning
Topic 12: Further processes and techniques

Assessment:

Component 1:
- Principles of Design and Technology
- Written examination: 2 hours and 30 minutes
- 120 marks and 50% of qualification.

Component 2:
- Independent Design and make project
- Non-examined assessment (NEA)
- 120 marks and 50% of qualification

Additional Experiences

Students will have the opportunity to go on numerous trips throughout the course, this may be to local attractions, exhibitions or museums.

Subject Entry Requirements

Grade 6 or above in GCSE Maths.

Merit or above in L2 Engineering Design or grade 6 in GCSE D&T.
If you have not studied D&T at GCSE then please provide a portfolio of drawings and/or practical work that demonstrate enthusiasm and commitment for the subject.