



DRAYTON MANOR HIGH SCHOOL

ADVANCED LEVEL COURSE 2022-2024

Product Design

Specification AQA

Entry Requirements

Grade 5 in a D&T GCSE subject or two grade 5s in Science if D&T GCSE not studied

What do I need to know or be able to do before taking this course?

Students choosing this course should be passionate about design and technological developments attending exhibitions and museums often. Not only should you be able to develop ideas visually as well as a three dimensional form but you should have commitment and energy as you will be expected to meet deadlines for coursework and be able to organise and present your ideas in design portfolios.

A knowledge of at least one material area would be desirable as well as experience using tools and working safely. There is a large amount of maths within the subject and the final exams so a good grasp of Maths would be essential.

What will I learn on this course?

- Designing and making skills (Hand and CAD) needed to produce end products in various material areas such as paper/card, modelling materials, fibres and fabrics, plastics, wood, light weight metals and composites
- Components and manufacturing processes used in industry for a range of products within different manufacturing scales.
- Design communication strategies and a greater knowledge of design methods, designers, socio economic influences and social considerations that impact the world of design.

How is the course structured?

Unit	Title	Weighting	Assessment Type
1	Technical Principles	30%	Exam
2	Designing and making principles	20%	Exam
3	Non Exam Assessment	50%	NEA (Coursework)

What skills will I develop by doing this course?

This course will enable you to develop some key skills, which will be essential to you whatever you go on to do afterwards. The key skills you can develop during this course are

- Research and development - each student gets the opportunity to generate ideas and research from primary and contextual sources, record their findings, experiment with media and processes, and develop and refine their ideas towards producing outcome(s).
- A wide range of theoretical knowledge of different historical, social, cultural, environmental and economic influences on design and technology
- Practical skills gained by working with a range of hand and CAD tools and material areas.

What kind of student is this course suitable for?

The course will appeal to students who have an interest in:

- Design and technological advances
- Sustainability and social responsibility.
- Visiting museums and exhibitions
- The world we live in and the way things work

What could I go on to do at the end of my course?

Students with A Level Design Technology: Product Design have access to a wide range of possible career and higher education opportunities. These may include but are not limited to

- Engineering
- Graphic Design
- Fashion and Textiles
- Theatre / Interior Design
- Architecture
- Product Design