



DESIGN TECHNOLOGY - PRODUCT

WJEC AS/A2

ENTRY REQUIREMENTS

Students must have attained a grade C or above in Design and Technology at GCSE (Fashion & Textiles, Graphic Product, Product Design or Engineering) and a grade C or above in English.

COURSE CONTENT

AS

Students are given the chance to design and make products of their choice using materials and processes they are familiar with. Over the course we will help to develop student's subject knowledge through a series of theory lessons and practical activities. At the same time they will be given the opportunity to stretch themselves by designing and making products using new exciting technologies, processes and materials. We encourage students to play to their strengths and create products that inspire them and reflect them as a designer. They will manufacture a product whilst recording their design journey in a portfolio. Previous students have designed a wide range of products including lamps, board games, educational toys, side tables, architectural models, corsets, evening dresses and costumes.

Unit 1: Product Design theory examination (2 hrs) 20%
Unit 2: Design and Make NEA Portfolio (apx 40 hrs) 20%

A2

Using the skills, knowledge and processes developed in year 12, students will have the opportunity to challenge themselves even further, to make a more complex and demanding product of their choice. Learners will be more aware of the positive impact design can have on our society and the importance of producing sustainable and inclusive products. They will explore a wider range of materials and more advanced techniques preparing them for higher education and a future career related to Design and Technology. Previous students have designed a wide range of products including smart speakers, desks, theatre costumes, TV set design, chairs, architectural design, outdoor furniture, ball gowns, water features, military medical aid devices, storage furniture, evening and sensory playground equipment.

Unit 3: Product Design theory examination (2½ hrs) 30%
Unit 4: Design and Make NEA Portfolio (apx 60 hrs) 30%

CAREER OPPORTUNITIES

An A level in Product Design is the stepping stone to many exciting degree courses available at university or an apprenticeship with a successful organisation. Careers include Advertising, Motorsport Engineering, Architecture, Graphic Design, Crafts, Industrial Design, Product Design, Jewellery Design, 3D Dimensional Design, Engineering, Digital Media, Fashion Design, Textiles, Film, Music, Performing Arts, Publishing, Visual Arts, Illustration, Advertising, Marketing, Teaching, Photography and Medical Product Design.

PROFILE

The A level course in Product Design offers a unique opportunity for students to identify and solve real problems by designing and making products that relate to their own interests and those of our ever changing consumer market. Students need to show creativeness, innovation and have an aptitude to problem solve. Perseverance is key to success, as well as having the ability to evaluate one's work. You need to be willing to take risks and think outside of the box. Having the initiative for self supported study outside of lessons is fundamental qualities that will allow you to do well within this subject area. You should display a passion for the subject.

CONTACT

Subject Lead: Mr Jackaman

ASSESSMENT STRUCTURE

AS

Unit 1: Product Design Theory Examination (2 hours) 20%
Unit 2: Design and Make NEA Portfolio (40 hours) 20%

A2

Unit 3: Product Design Theory Examination (2½ hours) 30%
Unit 4: Design and Make NEA Portfolio (60 hours) 30%