

WHGS Sixth Form

Design and Technology Product Design



William Hulme's Grammar School
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Engage

Endeavour

Excel



Entry Requirements:

Grade 5 or above in GCSE Design Technology

Pass Rate: 100%

Exam Board: AQA

Trips & Events:

- Factory tour of Land Rover Jaguar
- Princes Soft Drinks Factory

Student Voice: "The facilities available are excellent and the teaching staff are friendly and welcoming, making the course very enjoyable." Frazer Beckett

Student Voice: "The Design Dept at WHGS provides proficiency and excellence, when it comes to teaching, the technical principles and applying it in our making. With the wealth of facilities available, including the 3D printer and great staff, design is a phenomenal place to be." Saad Qureshi



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A Level Design and Technology (Product Design) AQA Specification

Year 12

The course has been designed to encourage candidates to take a broad view of technology and design, to develop their capacity to design and make products and to appreciate the complex relations between design, materials, manufacture consumer needs and marketing. They will apply their knowledge and understanding of design production processes to a range of technological and industrial activities.

Candidates will develop an understanding of the historical influences on design and will be encouraged to recognise the social, moral, spiritual and cultural values inherent in design. Candidates will develop critical evaluation skills in technical, aesthetic, ethical, economic, environmental, social and cultural contexts.

Year 13

Students will use all of the knowledge gained in Year 12 to develop a specific brief that meets the needs of a user, client or market. The brief must be of an appropriate level of complexity and contain a degree of uncertainty of the outcome so that students can engage in an iterative process of designing, making, testing and evaluating.

They will aim for genuine real-life opportunities in the market. Have an end client/user – with input throughout process. Students to think creativity and innovatively using flair and imagination.

Students will produce a final prototype based on the design brief they have developed, along with a digital design portfolio.

A-Level Assessment

Two written exams:

Paper 1 - Technical principles - 2.5 hours -120 marks
- 30% of A-level

Questions – Mixture of short answer and extended response.

Paper 2 - Designing and making principles - 1.5 hours - 80 marks - 20% of A-level

Questions – Mixture of short answer and extended response questions.

Non-exam assessment (NEA):

- Substantial design and make project
- Evidence Written or digital design portfolio and photographic evidence of final prototype.
- 100 marks - 50 % of A-level.

Beyond A Levels: Future career Aspirations

A Level Design and Technology students have gone on to degree courses in:

Aerospace Manufacturing Engineering, Architecture, Automotive Engineering Product Design, Building Surveying, Computer Aided Design, Engineering, Ergonomics and Human Science, Fashion Design, Textile Design, Graphic Design, Industrial Design, Product Design, Spatial Design, Theatre/Stage Management, Technology Teacher Training, apprenticeships and many more.

