



The Oldershaw School

A Level Design Technology - HOD: Mr J Miller

Course Outline & Exam Ratio

The WJEC Eduqas GCSE in Design and Technology offers a unique opportunity in the curriculum for learners to identify and solve real problems by designing and making products or systems.

Through studying GCSE Design and Technology, learners will be prepared to participate confidently and successfully in an increasingly technological world; and be aware of, and learn from, wider influences on design and technology, including historical, social/cultural, environmental and economic factors.

The specification enables learners to work creatively when designing and making and apply technical and practical expertise, in order to:

- Demonstrate their understanding that all design and technological activity takes place within contexts that influence the outcomes of design practice
- Develop realistic design proposals as a result of the exploration of design opportunities and users' needs, wants and values
- Use imagination, experimentation and combine ideas when designing
- Develop the skills to critique and refine their own ideas whilst designing and making
- Communicate their design ideas and decisions using different media and techniques, as appropriate for different audiences at key points in their designing
- Develop decision making skills, including the planning and organisation of time and resources when managing their own project work
- Develop a broad knowledge of materials, components and technologies and practical skills to develop high quality, imaginative and functional prototypes
- Be ambitious and open to explore and take design risks in order to stretch the development of design proposals, avoiding clichéd or stereotypical responses
- Consider the costs, commercial viability and marketing of products
- Demonstrate safe working practices in design and technology
- Use key design and technology terminology including those related to: designing, innovation and communication; materials and technologies; making, manufacture and production; critiquing, values and ethic

There is no requirement to have studied Design and Technology GCSE to access A-Level design and technology but a 5 in Maths, English and Science are essential.

The subject content for GCE A level Design and Technology will be assessed in the written examination and non-exam assessment (NEA). Design and Technology in the 21st Century Design and make project.

3 hours NEA: approximately 80 hours 50% of qualification

Written examination: 50% of qualification 100 marks 100 marks

Progression Routes

Degree in Product Design or Engineering

Degree apprenticeship in multiple Engineering back grounds.

Enrichment Opportunities

There are opportunities to speak with professionals from STEM related careers, trips to destinations for inspiration and information.

Opportunities to take part in DT clubs and form/enter a team into STEM related schools challenges.

**Apply
Here**