

# Design Technology

- A level
- Eduqas
- Teacher: Ms Mahmood

## Aim

Design and Technology A Level is an engaging and comprehensive course designed for students who are passionate about innovation, creativity, and problem-solving. This qualification equips learners with the skills and knowledge needed to explore the design and development of products, systems, and services, combining theoretical understanding with hands-on practical experience.

This course is ideal for students looking to pursue careers in engineering, architecture, product design, fashion or industrial design, as well as those seeking a creative and practical pathway.

## Assessment

### 1. Design and Make Project (Non-Exam Assessment - NEA)

- **Weighting:** 50% of the total A Level

Students undertake an individual design-and-make project where they identify a real-world problem or need, conduct research, and create a high-quality prototype solution.

This project allows students to apply their technical knowledge, problem-solving skills, and creativity, working through iterative design processes.

Assessment focuses on investigation, design development, manufacturing, testing, and evaluation.

### 2. Written Examination

- **Weighting:** 50% of the total A Level
- **Duration:** 3 hours
- The exam assesses students' understanding of technical principles, including materials, manufacturing processes, and the impact of technology on society and the environment.
- Topics include:
- Core technical principles (e.g., material properties, manufacturing systems, and emerging technologies)
- Core designing and making principles (e.g., user-centered design, iterative design processes).
- Specialist knowledge in the student's chosen material focus (e.g., textiles, polymers, woods, metals).



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