

Design Technology

- A level
- Eduqas

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).