



A LEVEL

DESIGN TECHNOLOGY

Course Summary

COURSE OVERVIEW

Explores how designers strive to improve the relationship between people and products. The course examines the technological advancements in designing and manufacturing. The course is designed to develop a broad view of D&T, develop the capacity to design and make products and appreciate the relations between design, materials, manufacture and marketing.

WHY SHOULD I STUDY DT?

Design and Technology A-Level empowers students to think creatively, solve real-world problems, and innovate with purpose. It blends engineering, design, and sustainability, developing practical skills and analytical thinking. Students explore materials, systems, and user needs—preparing them for careers in design, architecture, product development, and emerging technologies.

WHAT COURSES CAN THIS PREPARE ME FOR AT UNIVERSITY?

Product design, industrial design, architecture, mechanical engineering, design engineering, interior design, and graphic design.

WHAT CAREERS CAN THIS SUBJECT SET ME UP FOR?

Product design, architecture, engineering, interior design, fashion, and manufacturing. It also supports roles in UX/UI design, sustainable innovation, and creative industries.

COURSE SPECIFICATION

EXAM BOARD: AQA 7552

Paper	Content	Duration	Weighting
1	Technical Principles. It assesses knowledge of materials, their properties, and how they are used in manufacturing and design.	2 hours 30mins	30%
2	Product analysis and commercial manufacture.	1 hour 30 mins	20%
3	Students identify a real-world problem and develop a product to solve it. The project includes research, idea generation, development, modelling, final making, and evaluation.	approx 40hours	50%