

AAQ Engineering

Program Overview

- A two-year course equivalent to one A Level
- Build core engineering skills through hands-on learning
- Apply scientific principles to safely turn ideas and materials into real-world products and systems
- Explore current engineering practices used in industry
- Gain experience with **professional** tools and industry-standard CAD software

Course Structure

Exam Board: Pearsons

ASSESSMENT

- 50% External Exam (Units 1 and 2)
- 50% Coursework (Units 3 and 4)

Course Progression

Imagine what you can become...

- | | |
|-----------------------|-------------------------------|
| • Mechanical Engineer | • Electrical Engineer |
| • Systems Engineer | • Computer Scientist |
| • Aerospace Engineer | • Engineering Project Manager |
| • Operations Engineer | • Designer |

Course Units

Unit 1: Engineering Principles

Build a solid foundation in maths, mechanics, and electrical theory, applying core science to real-world engineering problems.

Unit 2: Engineering Applications

Gain hands-on experience with tools, processes, and materials, learning how theory translates into manufacturing and production.

Unit 3: Engineering Design

Develop creative solutions from concept to prototype using CAD tools and industry-standard design methods.

Unit 4: Engineering Project

Plan and deliver an independent project, showcasing technical skills, creativity, and project management—ideal for your portfolio.

Entry Requirements:

5 x grade 5s at GCSE (or equivalent) including grade 5 in GCSE Maths and grade 5 in Physics or 55 in Combined Science plus grade 4 in English Language

