AAQ Engineering

Course 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
- Systems Engineer
- Aerospace Engineer
- Operations Engineer
- Electrical Engineer
- Computer Scientist
- Engineering Project Manager
- Designer

Course Units

Unit1: Engineering Principles

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

Unit2: Engineering Applications

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

Unit3: Engineering Design

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

Unit4: 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

