Welcome to the AAQ Level 3 BTEC Engineering (Extended Certificate) Course – Year 12

Dear Year 12 Students,

Welcome to the AAQ Level 3 BTEC Engineering (Extended Certificate) course! We are delighted that you have chosen to study Engineering with us, and we are excited to embark on this journey together.

This course offers a dynamic and hands-on approach to learning, designed to provide you with the knowledge, understanding, and skills needed to succeed in the engineering industry or move on to higher education and apprenticeships. It is equivalent to one A Level and is designed to be taken alongside other qualifications.

Course Content

- The Extended Certificate in Engineering consists of the following units:
- Unit 1: Engineering Principles – Covers essential maths and science for engineers, including mechanical, electrical, and electronic principles in an externally set exam.
- Unit 2: Engineering Applications- Covers different sectors of engineering knowledge and application by an externally set exam.
- Unit 3: Engineering Design- Learners will solve a design problem set by Pearsons including skills in CAD.
- Unit 4: Engineering Project- Students will carry out a project set by Pearsons and present a solution.

Throughout this course, you will engage in both theoretical learning and practical workshop-based tasks, gaining invaluable experience in real-world engineering scenarios. Assessment will include a combination of internal assignments and external exams.

We look forward to working with you and supporting your development as an aspiring engineer. Please make the most of the opportunities presented to you, and do not hesitate to ask questions or seek support when needed. To Get started on the year ahead please complete the following math's task ready for September.

Help video https://corbettmaths.com/2013/02/07/factorising-quadratics-2/

https://corbettmaths.com/wp-content/uploads/2019/10/Factorising-Quadratics-pdf.pdf

Best of luck for the year ahead!

Mr Cook