

DESIGN ENGINEERING A LEVEL



What will happen in my first week?

It is important to understand the breadth of Design Engineering in line with Maths and Physics. This is likely to be the most common combination of subjects. Design Engineering will start by focusing on the principles of maths, design, materials and manufacturing.

Do I need to buy any equipment or kit?

You will need a folder, dividers, lined paper, pen and a scientific calculator

Who will teach me?

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What can I look forward to in my first year?

The first year of Design Engineering is focused on the principles of design including materials, manufacturing processes, product functionality, application of Mathematic skills, prototypes etc leading to the beginning of a larger project worth 50% of the final grade on an independent design project.

What will I study in my first term?

The first term will start with the wider understanding of the processes involved in design using the application of Maths and Physics in a more practical way to product engineering.

Are there any books I need to buy or useful websites I should look at?

The exam board is OCR so it is useful to look at the specification and resources on the website. The book by Jonathan Adams called 'Engineering Design Cambridge National' provides a strong foundation of understanding and knowledge around the subject.