

ENGINEERING SCIENCE

Engineering Science is a classroom based course with both practical and theoretical aspects. Learners will investigate the role of engineers in industry, control systems including electrical and electronic circuits and programmable microcontrollers, and mechanical systems including mechanical and pneumatic components.

They will be able to build circuits as well as writing programs and simulating mechanical systems. They will also be expected to use the knowledge gained to solve challenging problems which will include the use of mathematical formulae so **good numeracy skills are essential**.

Entry Requirements:

You will have gained skills in S1 and S2 to allow you to take this course. However, you must also have good Maths skills as there is a considerable amount of maths involved in Engineering.

Course Content:

You will learn about:

- Pneumatics
- Electronics and Programming
- Mechanisms and Structures
- The Branches of Engineering



And lots of other things too ...

Assessment

Work is assessed by end of unit assessments including problem solving projects. These will be marked internally by your teacher.

Progression:

This course allows you to go onto study at National 4 or 5 level.

Engineering Science is designed to give an overview of the main branches of engineering and is perfect for a range of possible careers. See the link below for further information:

<https://www.planitplus.net/Schools/SubjectCareerList?mysubject=Engineering%20Science>