

# Year 9 Engineering Design

In year 9 the students are introduced to the syllabus and content they would see in year 10/11. The course is a blend of theory and make tasks that see's the students engage in design and make tasks and sets the scene for how Engineering can shape the modern world, promote equality and solve the technical challenges we face.



## Building on

The students learn how to recall, select and apply engineering theory. Investigate and review, develop and evaluate a range of engineering principles.

## New knowledge learnt in the project

Design Process / Iterative design	2D and 3D CAD
Socio Economic design	Primary and secondary function
Ergonomics / Anthropometrics	

## Skills learnt

Working to a brief	Modelling and prototyping
3D printing and Laser cutting	

## Possible career progression

The course in year 9 is positioned to engage with reality. It teaches life skills and opens up possibilities for the student to experience technology readily used in the wider world and industry.