

Food Technology

Head of Technology - Mr Fleming

Food Technology - Mrs Keenan

The Course:

This course provides students with the opportunity to develop their understanding of food as a material. Students will complete a design and make a portfolio and take part in weekly practical sessions to build up their skills and show off their creativity. They will also design, develop and manufacture their own food products.

What could it lead to in Sixth Form?

Catering and Hospitality
A Level Design and Technology
A Level Food Technology
A Level Home Economics

What careers/university courses would this subject help me to enter?

Possible University Courses

Food Science, Catering, Nutrition, Management, Dietetics, Nutrition, Sports Science and Bio-chemistry

Possible Careers

Catering and Hospitality, Hotel and Leisure Industry, Dietician, Catering, Food Scientist, Environmental Health, Chef, Food Technology Teacher and Home Economist

Product Design

Head of Technology - Mr Fleming

Product Design - Mrs Ahmed

The Course:

This is a very exciting course, which allows students to develop not only their creative thinking but challenge their making skills. The great aspect of Product Design is that the majority of the course is focused around the making of a product. A whole unit is based around a design challenge whereby students will work in groups to tackle a given task, and their assessment will be based entirely on this challenge.

What could it lead to in Sixth Form?

A Level Resistant Materials

A Level Product Design

BTEC Manufacturing

What careers/university courses would this subject help me to enter?

Possible University Courses

Engineering, Graphic Design, Product Design and Three Dimensional Design

Possible Careers

Product Designer/Manufacturer, Architecture and Fashion, Engineering and Teacher/Lecturer

Graphic Products

Head of Technology - Mr Fleming

Graphic Products - Mr Peet

The Course:

In this course you will do lots of designing and making of different products made mainly from paper and card. The great thing about Graphics is that it is 60% Controlled Assessment and more than 60% of the project marks are for making.

In the course you will:

Develop creative ideas using several drawing techniques, rendering, the application of colour and ICT Graphic communication to develop products using CAD, such as Photoshop techniques. Importantly 60% of the course is making the graphic products you design, this includes lots of 3D model making as well as making high quality final products.

What could it lead to in Sixth Form?

A Level Graphics and/or Product Design
Art and Design
BTEC options

What careers/university courses would this subject help me to enter?

Possible University Courses

Graphic Design as a single subject with other subjects such as Advertising, Animation and Computer Aided Design.

Possible Careers

Graphic Designer, Advertising, Packaging Design, Computer Graphics, Website Design, Printing and Publishing, Television, Film and Visual Aid Production, Sign Design, Interior Design, Architecture and Fashion

Construction - WJEC Award

Head of Technology - Mr Fleming

Construction - Mr Gibson

The Course:

The course will lead to the Level 2 WJEC award with the building of a Bungalow encompassing the practical aspect of the course. The theory side includes the Structure of the Industry, Health and Safety and Planning and Designing.

What could it lead to in Sixth Form?

Level 3 National Diploma in Construction and the Built Environment

What careers/university courses would this subject help me to enter?

Possible University Courses

Numerous degrees within the construction and engineering sectors as well as a firm rounding for apprenticeships from a technical to a professional level.

Possible Careers

Project Manager, Brick Worker, Quantity Surveyor, Architect, Building Systems Manager, Electrical Engineer, Design Engineer, Structural Engineer, Planner, Architectural Technologist, Civil Engineer, Building Surveyor plus many more trades and professions.

Engineering

Head of Technology - Mr Fleming

Engineering - Mr Peet

The Course:

This course awards a GCSE in Engineering. It is a modern, relevant and exciting course based upon mechanical and electronic engineering in the modern world. It encompasses a range of practical designing and making opportunities from manufacturing concept products to industrial design allowing students to model and manufacture products as part of their course. Students research elements of Engineering that link directly to industries such as aerospace and automotive design and manufacture and are encouraged to make use of industry links to improve their understanding. This course has 60% Controlled Assessment in order to recognise the importance of practical work within this subject.

What could it lead to in Sixth Form?

Pursuing a Civil Engineering route through Level 3 National Diploma in Construction and the Built Environment.

What careers/university courses would this subject help me to enter?

Possible University Courses

GCSE Engineering enables students to develop skills and understanding which will be of use generally and as part of a progressive career path leading to further technical or academic engineering.

Options include numerous degrees within the construction and engineering sectors as well as a firm rounding for apprenticeships from a technical to a professional level.

Possible Careers

Engineering pathway leads into most modern design and manufacturing industries including; Agricultural Engineering, Aerospace, Chemical Engineering, Civil Engineering, Electronics, Material Design and Research, Mechanical Engineering, Mechatronics and Structural Engineering.