

TECHNOLOGY

Course Content

KS3

In Years 7 and 8 learners will be part of a carousel studying Food & Nutrition, Resistant Materials (Wood, Metal and Plastic) and Product Design.

In Year 9, learners can choose from a variety of foundation subjects to complete over the year. The technology subjects available to our learners are Food & Nutrition, Resistant Materials and Product Design. In each technology strand Year 9 learners will complete numerous mini projects where they will learn a number of skills, which can be transferred to the GCSE course taken in KS4.

The Design and Technology courses will extend practical skills and build upon the design and technology capabilities developed in primary school.

Learners will:

- Design solutions to meet identified needs
 - Make the products they have designed
 - Evaluate the success of their work
 - Develop a wide range of practical skills



Our learners are taught to work with a wide range of materials such as wood, metal, plastic, food and graphic materials. They will learn new practical skills to support constructing and communicating their designs.

Learners will need basic equipment for learning such as a pencil, pen and an eraser and they will work from a class booklet (which is kept in school).

When learners study Food Technology, they will be required to bring in ingredients as specified by their teacher.

The skills which are taught are based around designing and making, they include:

- Health and Safety rules when using equipment and machines, including preparation of food and hygiene
- An understanding of materials and their classifications
- Accurately measuring, weighing and marking out a wide range of materials/ingredients
- Cutting and shaping of a varied range of materials, such as; wood, metal, plastics, food, card and paper
- Evaluating existing and self-made products.

KS4

Exam boards

- Food Technology OCR
- Product Design WJEC (Welsh Board)
- Resistant Materials Technology WJEC (Welsh Board)

All Technology GCSE's are constructed of 60% Controlled Assessment and 40% Examination.

How Learners are assessed?

In KS3&4 assessment is completed by using teacher assessment and an end of topic test. In KS3 teachers also use the Technology Assessment Pupil Progress (APP) to assess the learners work.

Homework

In KS3 learners are given homework diaries and home work is given weekly. KS4 learners are given homework affiliated to the topic which they are studying, this home work will consist of types of research; *product analysis, target audience, manufacturing methods and studies of various designer such as Thomas Heatherwick, Philippe Starck and James Dyson.*

All homework can be viewed on 'show my home'.

Revision, Intervention and Enrichment

KS4 GCSE Technology has a 1 hour '**After School Club**' to support our learners in completing their controlled assessment task. We also have visiting chiefs and competitions to support our learners across all key stages in Food & Nutrition.