

OVERVIEW

In the Technology faculty we develop students into independent problem solvers, by teaching the students how to independently produce bespoke products in response to a given design brief. We base all our learning and assessment around our ethos of Design, Make, Evaluate and Knowledge. In Year 7 Students will be given the opportunity to learn a variety of skills, rotation each term to Food and Nutrition, Design Technology, ICT and computer Science. Pupils learn through practical application a range of life skills to prepare them for life after The Albion Academy.

Food and Nutrition

World Food Project

- Food hygiene
- Food safely
- Health and safety
- The Eatwell Guide and healthy eating
- How to read and independently follow a recipe
- Weighing and measures skills
- A range of practical cooking skills
- Evaluation and reviewing
- Teamwork skills
- Leadership

Assessment:

Design – assessment of students designs for a healthy menu

Make – quality of practical skills needed to create a range of dishes.

Evaluate – how well the student has evaluated the food they made and suggested further improvements

Knowledge – they will be assessed on their knowledge of the key word, terms and techniques covered in the unit.

ICT and Computing

ICT

Developing basic ICT skills and internet safety.

- Internet safety
- Netiquette
- File management
- Research skills
- Office 365

Computer Science

Computational thinking and introduction to programming.

- Problem solving
- Decomposition Developing complex algorithms
- Flowcharts
- Block Coding and BBC Microbits

Assessment:

Design – assessment of students designs for an internet safety application

Make – quality of practical skills needed to create a working prototype of their application and block coding

Evaluate – how well the student has evaluated their application and suggested further improvements

Knowledge – they will be assessed on their knowledge of the key word, terms and techniques covered in the unit.

Design and Technology

Design and Technology

Woodwork, joinery to create a passive amplifier.

- Workshop safely
- Tool safety and maintenance
- Artist research
- Planning
- Sketching and drawing
- Practical workshop skills
 - Bench hook, Tenant saw, Coping saw, Drill press, Sander

Assessment:

Design – assessment of students designs for a passive amplifier for their mobile device

Make – quality of practical skills needed to create their design out of wood

Evaluate – how well the student has evaluated their product and skills used and suggested further improvements

Knowledge – they will be assessed on their knowledge of the key word, terms and techniques covered in the unit.

Useful resources for supporting your child at home:

Excellent design sketching tutorials:

[product designer maker - YouTube](#)

Student access to Focus eLearning – direct link given to students.

Homework:

There is no set schedule for KS3 homework, but occasionally there will be a research task, or design skills set by the class teacher.