

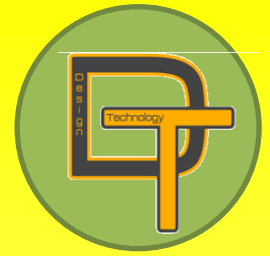
Design & Technology Department



The options available to you at Key Stage 4

- Within the Design and Technology Department we offer a range of GCSE and BTEC courses for you to choose from going into year 9
- We encourage *all students* to take at least one Design and Technology option but to **choose carefully** the one which suits you best
- Today we will look at which Design & Technology course is right for YOU.

GCSE Product Design

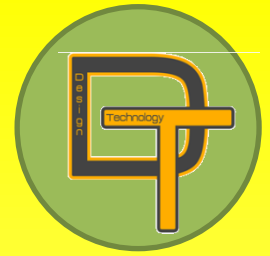


What is Product Design?

- In Product Design you get to think up your own ideas & make them real rather than just learning on Paper
- You will learn how to think up a **new idea**, **research** to ensure that your product would *sell*, **design it** from scratch and then use the workshops to actually **make it** from scratch.
- You will build up skills in **Graphics**, Workshop **Tools/Materials** and **Analysing** products
- Product Design teaches you Problem Solving and Analytical skills which can help you with other subjects and out of school, whatever career you choose



GCSE Product Design

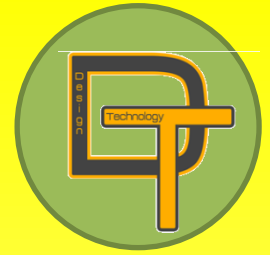


About the course

- In **year 9 & 10** you will build up skills, knowledge and understanding through mini projects such as: **Wooden Bookends, MP3 Speaker etc**
- **The GCSE is made up of 60% Coursework and 40% Exam**
 - The **Coursework** is assessed through one big Design & Make Project where you will design a new product from scratch and make it
 - A single **Exam** will be sat in year 11 and will test you on your designing skills, your knowledge of materials and products and your understanding of the Design Industry



GCSE Product Design



Which Materials are you most interested in???

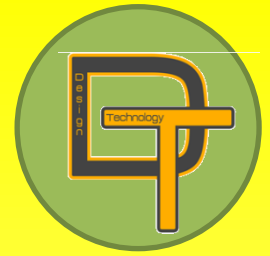
- In Product Design all students will learn to work in a range of different materials such as Wood, Metal, Plastic, Card, Paper, Electronics, Textiles etc
- Because Product Design is such a flexible course, you will have the freedom to choose the projects and materials which are of most interest to you and your future career
- When choosing **GCSE Product Design** as an option, you will need to state which materials are of most interest to you, so that the curriculum can be tailored to your needs.

You must indicate an interest in one of the following:

- **Graphics Technology:** Technical Drawing, Graphic Design, Paper & Card
- **Materials Technology:** Wood, Metal, Plastics and associated workshop skills
- **Electronics Technology:** Circuit Making & Design incl' programmable microchips



GCSE Product Design



Future Careers

- As well as being a fun, interesting and challenging subject, Product Design can lead into future careers in...
 - Graphic Design, Architecture, Interior Design, Web Design, Model making, Engineering, Construction, Product Design & many more.
- For more information please see Mr Walters, Miss Etheridge, Miss Zaffarese or Miss Tynan

BTEC Engineering



Edexcel Level 2 Award in Engineering

Year 9

You will complete short written tasks and focused practical tasks that are assessed internally

Year 10

You will continue to produce written tasks and focused practical tasks however this year you will also prepare for and take an external exam on the computer.

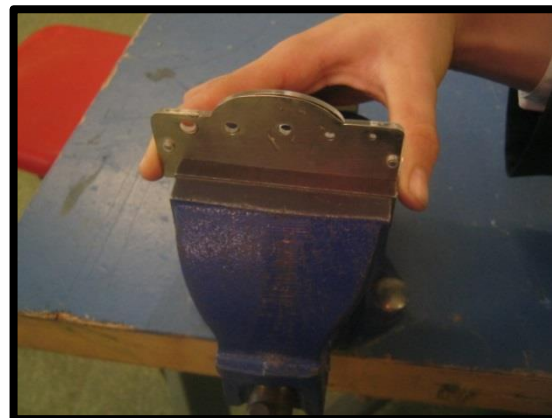
Year 11

You will continue to produce written tasks and focused practical tasks that are assessed internally

BTEC Engineering



Examples of Work



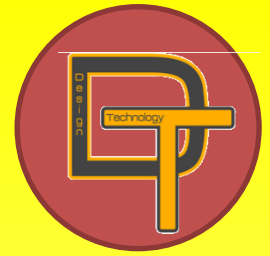
BTEC Engineering



Future

- Engineering is a Vocational Qualification that can lead directly into jobs or apprenticeships in Engineering and other trades.
- Engineering can also be studied further at a Further Education college as a *Level 3* Qualification

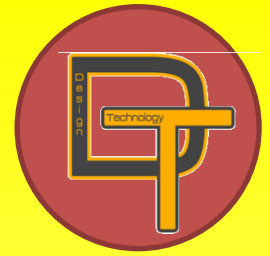
GCSE Cooking & Nutrition



About the course

- Food Technology is changing! Due to changes in government rules for the whole country, Food Technology and Catering will no longer be offered as GCSE Subjects.
- Instead there will be one *brand new course* offered to *all* students across the country
- This new course will likely be called
'GCSE Cooking and Nutrition'.

GCSE Cooking & Nutrition



Is this new course for me???

- If you enjoy:
- Cooking
- Learning about eating healthy foods
- Being Creative in the Kitchen
- Changing and Improving Recipes
- then our **GCSE in Cooking & Nutrition** is ideal for you.

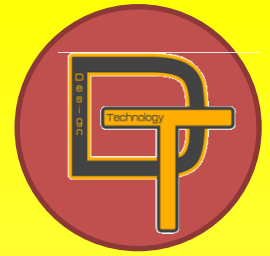


The suggested assessment breakdown is as follows:

- One Final exam – 50%
- Coursework – 50%



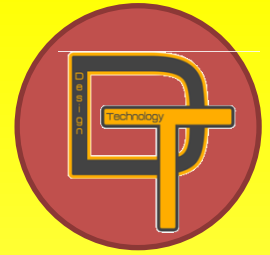
GCSE Cooking & Nutrition



What will I do?

- Practical sessions to ensure a greater understanding of the working characteristics of food materials
- develop knowledge and understanding of the functional properties and chemical processes as well as the nutritional content of food and drink.
- Using current media information and various media techniques, you will investigate and debate the relationship between diet, nutrition and health, including the physiological and psychological effects of poor diet and health.
- You will enjoy exploring food through its sensory qualities whilst at the same time using food safety and hygiene considerations to manage their environment.
- The course embraces and emphasises understanding of and enjoyment of British and international cuisines. You will be given the opportunity to apply this knowledge both in their cooking and in debating sessions.
- You will investigate the economic, environmental, ethical, and socio-cultural influences on food availability, production processes, and diet and health choices.

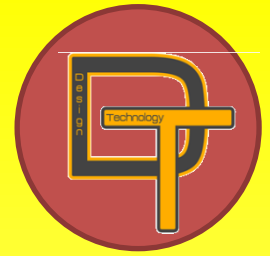
GCSE Cooking & Nutrition



Examples of coursework products



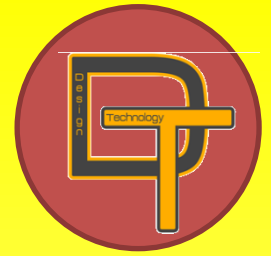
GCSE Cooking & Nutrition



Food Industry Jobs

- Development Chef – develops new products for the factory
- Food Development Technologist – trials new products in the factory to ensure they work
- Food Journalism and Photography,
- Food demonstration,

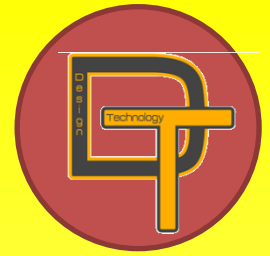
GCSE Cooking & Nutrition



Health Care Jobs

- Dietician,
- Midwife,
- General Practice Nurse,
- Nutritionist
- Paediatrician.

GCSE Cooking & Nutrition

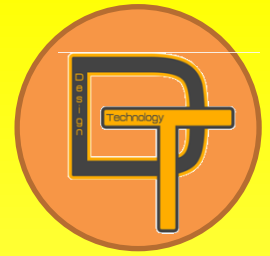


It's not all cooking !

- There is a significant amount of theory and written work on this course as there is on any GCSE course so expect to work hard and always bring your ingredients
- See Mrs Heighton or Mrs Mather if you have any questions



GCSE Child Development

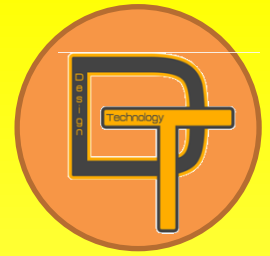


What does Child Development involve?

- **Year 9 – Short practical tasks to understand the content of the course**
- **Year 10 – Short coursework tasks and Child Study**
- **Year 11 – Exam content**



GCSE Child Development

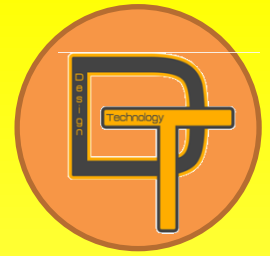


Example short tasks

- Investigation into breast vs bottle feeding
- Weaning food exercise
- Shoe box room
- All about me
- Egg project



GCSE Child Development

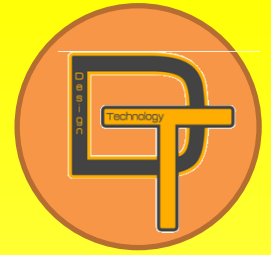


The units

- Family and parenting
- Preparation for pregnancy & birth
- Physical development
- Nutrition and health
- Intellectual, social and emotional development
- Community support

The lessons are interactive and hands on as much as possible!!

GCSE Child Development



Job prospects

- Early year care
- Teaching assistant
- Midwifery
- Teacher
- Social worker
- Youth worker
- Paediatrician



For further
information please
see:

- Miss Tynan
- Miss Leeson
- Miss Etheridge

Design & Technology



Available Subjects

GCSE Product Design

BTEC Engineering

GCSE Food Technology

GCSE Child Development

Choose wisely!
and please speak to your teacher if you have any questions