


## Learning Intention:

Examine the different subject preferences that you can study in year 9 Technology



You can make an informed choice as to which 2 Technology subjects you will choose to study in year 9

# **Year 9 Design Technology**

Currently at Beckfoot Oakbank students in Year 8 study Design Technology on a rotation basis and experience learning in Product Design, Food and Textiles over the course of the year.

In year 9 students will study 2 subjects from Engineering Design, Textiles, Hospitality and Catering and Photography they will then receive 1 hours teaching and learning of each subject per week.

We believe this will ensure students are better prepared for KS4 should they choose these subjects as an option.

Current

## Year 8

Food

Textiles

Materials

Currently to have to do all three of these Technology subjects throughout the year

Next Year

## Year 9

Hospitality and Catering

Engineering Design

Photography

Textiles

In Year 9 you will have 2 hours of Technology a week (two lessons)

You will have chosen 2 subject preferences

You will have 1 hour teaching of each subject you choose a week (1 lesson or each)

You can choose any two combinations

We can not guarantee you will automatically get both your subject choices

Forms Year 9 Design Technology subject preferences: Year 8 into Year 9 - Saved

Preview

Questions Responses

## Year 9 Design Technology subject preferences: Year 8 into Year 9

The aim of our Year 9 Design Technology curriculum is to provide learning that mirrors our Key Stage 4 curriculum. We believe this will ensure students are better prepared for KS4 should they choose these subjects as an option. Current year 8 students need to choose their Design Technology subject preferences by choosing 2 of the subjects below, and also selecting one reserve preference.

**Engineering Design**  
**Textiles**  
**Hospitality and Catering**  
**Photography**

1. Enter your first name

Enter your answer

Available on school website

- Throughout the week beginning **Monday 31<sup>st</sup> January 2022** during your son/daughter's Design Technology lesson teachers will explain the options choices that are available to students and have conversations about our Year 9 Design Technology curriculum.
- From **Monday 31<sup>st</sup> January 2022** there will be information posted on the school website which will help students make an informed choice of which Design Technology subjects to specialise their year 9 learning in.
- From **Monday 7<sup>th</sup> February 2022** the Design Technology subject preference form will go live on the school website and on My Ed.
- By **Friday 25<sup>th</sup> February 2021**, the Design Technology preferences form will need to be completed via the online form on the school website. Forms returned after this date may well result in disappointment over choices.





# ENGINEERING DESIGN

## What is Engineering Design?

Engineering design is a process used to identify market opportunities and solve problems which contribute to the development of new products and systems.

This qualification is aimed at learners who wish to study the processes involved in designing new engineered products within a design brief.

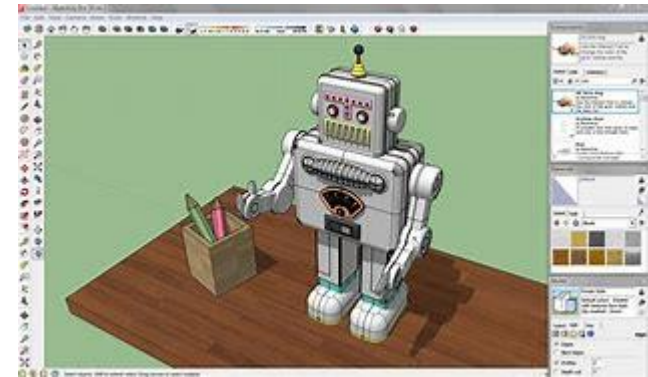
Learners will use practical skills such as drawing, computer modelling and model making to communicate design ideas.

Learners will apply practical skills to produce a prototype in the form of a model and test their design ideas to inform further product development. Learners evaluate the prototype against specification points, and assess possible, practical solutions and improvements to their design.



# What will you study in year 9?

- Introduction to more complex workshop tools and machinery; you will learn how to use the Fret saw, you will gain experience of cutting and shaping woods, plastics and metals.
- CAD (computer aided design)/CAM (computer aided manufacture) – you will learn how to design and be able to visualise products in 3D on the computer and be able to send your own designs off to be laser cut!
- Sustainability – How can design be environmentally friendly? You will learn about different materials, their properties and the impact they have on the environment.



# ENGINEERING DESIGN

## Is Engineering for me?

If you've ever been tempted to pull something apart to see how it works, or if you enjoy making things - everything from paper planes or jewellery, through to apps and games - then an engineering career could be for you. It's also key that you enjoy thinking outside the box to find creative solutions to problems.

Engineers have excellent:

- Problem-solving skills.
- Analytical thinking.
- Creative thinking.
- Attention to detail.
- Communication skills.

You'll also need to be calm under pressure, enjoy taking on responsibility and working as part of a big team.





# ENGINEERING DESIGN

## Where can this qualification take me?



Almost every gadget or built object you see has had a contribution from an engineer. The engineering field in the UK employs 5.6 million people so there are plenty of different job roles within the sector to choose from.

Engineering careers include:

- Mechanical engineers
- Aeronautic and aerospace engineers
- Chemical engineers
- Software engineers.
- Biomedical engineering
- Environmental engineers
- Electronic engineers
- Civil engineers

Other careers include:

- Product Designer
- Architect
- Structural engineer
- Mechanical engineer
- Mechanic
- Electrician
- Joinery/Carpentry



## How can I start an Engineering career?

At school

The university route

The apprenticeship route

# ENGINEERING DESIGN

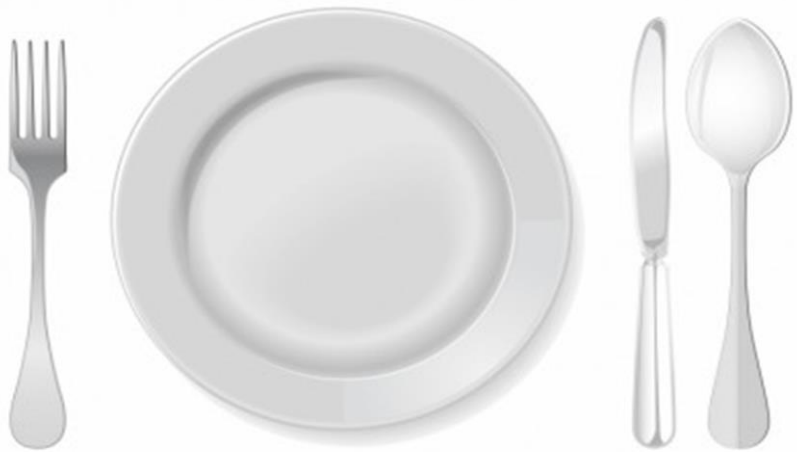
## Where can I find out more?

<https://successatschool.org/careerzonesummary/2/Engineering>

<https://successatschool.org/advicedetails/335/Why-Study-Design-and-Technology%3F>

<https://www.prospects.ac.uk/jobs-and-work-experience/job-sectors/engineering-and-manufacturing>

<https://www.jamesdysonfoundation.co.uk/resources/engineer-stories.html>



# HOSPITALITY AND CATERING



# Welcome to...

## Year 9 Hospitality and Catering

The future of.. Hospitality and Catering :

*"The industry has grown over the last 20 years and, despite recession, it is predicted to continue to grow. The sector as a whole currently employs almost 2 million people".*





# Hospitality and Catering ?

## Our course aims to...

- ...Support students who want to learn about this vocational sector and support potential careers.
- ...Provides a foundation for further study.
- ...Provide an opportunity to develop a range of specialist and general skills that would support their progression into employment.



# The Hospitality and Catering

You will learn about:

- All the different parts of hospitality and catering industry.
- Different types of hospitality and catering establishment roles.
- Different types of hospitality and catering provisions for particular situations.
- Front of house and kitchen operations.
- The needs and requirements of customers
- What makes hospitality and catering businesses successful
- Issues related to nutrition and food safety



# Hospitality and Catering

You will apply your learning in order to...

- Plan, prepare, cook safely and hygienically and then serve a variety of nutritional inspired dishes.





# Hospitality and Catering

## What can I do next...?

Teaching



Journalism



Sport Science



Social Work

Marketing  
Consumerism

Product  
Development  
Food Science

Environmental  
Health



Catering



Nutrition  
Dietetics





# TEXTILE DESIGN

Designing



Experimenting



Exploring





# TEXTILE DESIGN

## *Why choose textile design?*

Are you creative and imaginative? Do you enjoy exploring ideas and looking at things in different ways? Do you enjoy making? If so, you should consider a course in textile design. You will enjoy developing your understanding of the visual world, learning practical skills and responding to ideas and issues in ways that are personal to you.





# TEXTILE DESIGN

## *What will I do and what will I learn?*

Textile Design is a creative practice that involves the making, selection, manipulation and application of a range of materials such as fibres, yarns and fabrics and includes skills such as weaving, knitting, stitching and printing to create designs and products

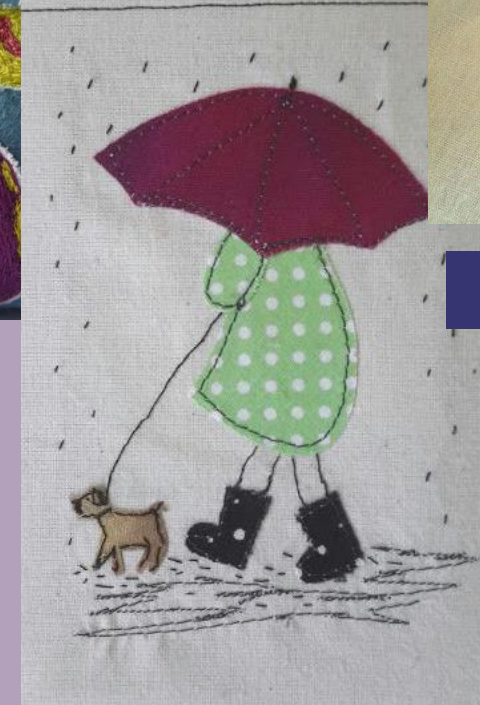
Printing



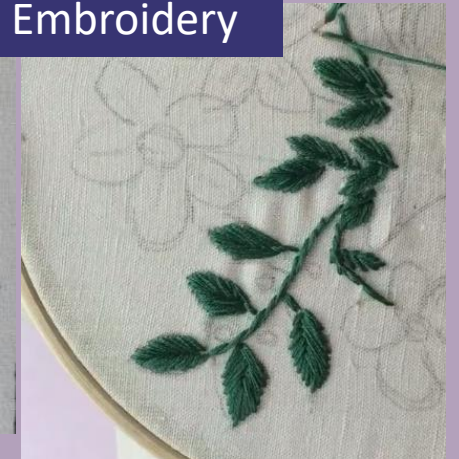
Soft sculpture



Applique



Embroidery



Free machining



You will learn to; apply a creative approach to problem solving; consider and develop original ideas from initiation to realisation; analyse critically your own work and the work of others; express individual thoughts and choices confidently; take risks, experiment and learn from mistakes.



# TEXTILE DESIGN

## *Where could it take me?*

Possible career options include:

- Studying a textile/art and design related degree
- Textile technologist
- Colour trender or stylist
- Costume designer
- Creative director
- Digital textiles designer
- Fashion designer
- Fashion illustrator
- Fashion journalist
- Fashion stylist
- Interior designer
- Museum/gallery conservator
- Pattern cutter
- Retail buyer
- Teacher or lecturer
- Textile designer
- Theatre designer
- Upholsterer
- Wallpaper designer







PHOTOGRAPHY



Why choose photography?

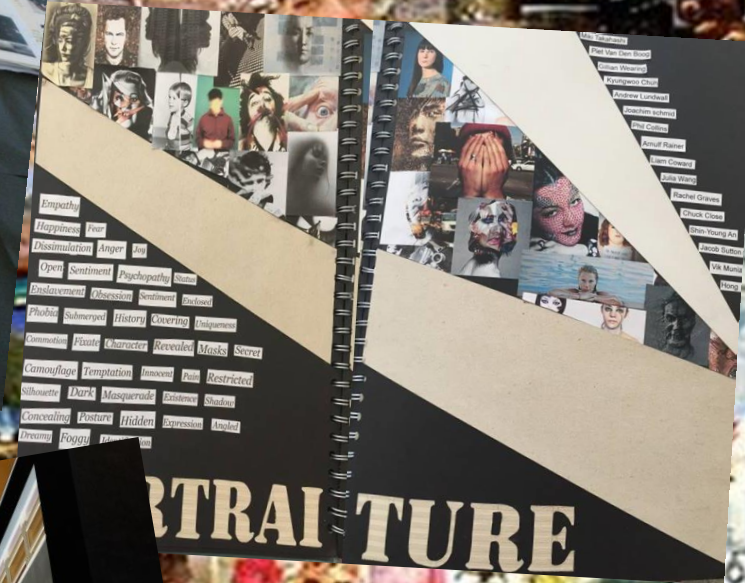
*"It's the best  
course in school"*



- portraiture
- location photography
- studio photography
- experimental imagery
- installation
- documentary photography
- photo-journalism
- Video and animation
- fashion photography.

Are you creative and imaginative?  
Do you enjoy exploring ideas and looking at things in different ways? If so, you should consider a course in photography

You will enjoy developing your understanding of the visual world, learning practical skills and responding to ideas and issues in ways that are



Examples of student work



Photography is about looking, learning,  
thinking and communicating ideas.  
It inspires creative  
thinkers.

Photography means 'drawing with  
light' and that is what photographers do  
when they take a picture.

Many photographers have  
explored various techniques to create  
images that make a personal statement  
about things that have interested or  
concerned them.

The most exciting aspect of photography  
is that you are capturing  
the world as you see it.



Examples of student work



## Photography course content

- Portraiture
- Landscape photography
- Still-life photography
- Documentary photography



Examples of student work





### Possible career options

Studying a photography related degree at university will give you all sorts of exciting career opportunities, including:

- Commercial photographer
- Fashion photographer
- Filmmaker
- Fine art photographer
- Forensic photographer
- Industrial photographer
- Medical photographer
- Nature photographer
- Photographic illustrator
- Photographic technician
- Teacher
- Photojournalist
- Picture editor
- Researcher
- Social photographer
- Sports photographer

*"Learning how to manipulate photos using Photoshop is fun"*

*"I had never used a digital camera before I started GCSE Photography, it is really exciting"*

*"Learning about different photographers and how they have created their photos is fascinating and it helps us create our own ideas"*

*"We get to experiment with loads of idea, and the best bit is it doesn't matter if you go wrong as you can just delete the photo and take it again"*

*"Photography is just good fun!!"*

*"The best bit is that we are not always in the classroom, we are often outside and around school taking photos"*

*"I love being creative and I love art, but I am not that good at drawing, so using a camera is perfect for me"*

*Why choose photography?*







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