



PRESTON MUSLIM GIRLS

— HIGH SCHOOL —

Education with Patience Modesty Gratitude Humility Sincerity



# Welcome to Option Subjects



**PRESTON MUSLIM GIRLS**

**— HIGH SCHOOL —**

Education with Patience Modesty Gratitude Humility Sincerity

**In this PowerPoint you will find information about the following subjects:**



- **GCSE Art**
- **GCSE Business Studies**
- **GCSE Computer Science**
- **GCSE Design Technology**
- **GCSE Food Preparation and Nutrition**
- **GCSE Geography**
- **BTEC Health and Social Care**
- **GCSE History**
- **BTEC Sports Studies**



**Mrs Z Hanif**

**Email: [Zahida.hanif@pmghs.com](mailto:Zahida.hanif@pmghs.com)**

# Course Content in Year 10 and Year 11

- The Specification for Art and Design (AQA Board) emphasises the importance of allocated time to integral pieces of art for coursework and final exam pieces. This in itself teaches discipline.
- There are several processes that must be undertaken as pupils will work through four Assessment Objectives to cover Development, Refinement, Recording and Presentation (Final Piece).
- Some pupils already possess certain skill sets whereas others acquire these skills through patience and encouragement. These stages require careful analysis and thought. At each appropriate stage of learning students work is monitored and evaluated.

Component 1: Portfolio	+	Component 2: Externally set assignment
<b>What's assessed</b> A portfolio that in total shows explicit coverage of the four assessment objectives. It must include a sustained project evidencing the journey from initial engagement to the realisation of intentions and a selection of further work undertaken during the student's course of study.		<b>What's assessed</b> Students respond to their chosen starting point from an externally set assignment paper relating to their subject title, evidencing coverage of all four assessment objectives.
<b>How it's assessed</b> <ul style="list-style-type: none"><li>• No time limit</li><li>• 96 marks</li><li>• 60% of GCSE</li></ul>		<b>How it's assessed</b> <ul style="list-style-type: none"><li>• Preparatory period followed by 10 hours of supervised time</li><li>• 96 marks</li><li>• 40% of GCSE</li></ul>
Non-exam assessment (NEA) set and marked by the school/college and moderated by AQA during a visit. Moderation will normally take place in June.		Non-exam assessment (NEA) set by AQA; marked by the school/college and moderated by AQA during a visit. Moderation will normally take place in June.

- Stimulates creativity and imagination.
- Provides visual tactile sensory experiences and a unique way of understanding and responding to the world.
- Encourages pupils to use colour, texture, form, pattern and different materials to process and communicate what they see.
- Helps pupils progressively gain appropriate skills through a wide range of activities-using a variety of media increasing their opportunity to fulfil their potential.
- Teaches pupils to make informed value judgements and aesthetic and practical decisions, ensuring pupils become actively involved in shaping environments.
- Explores ideas and meanings in the work of artists, designers and craftspeople.
- Teaches pupils about the diverse roles and functions of art, craft and design in contemporary life and in different times and cultures.

# Why choose Art & Design?

Art and Design is a subject that can lead to a wide scope of career opportunities such as Architecture, Graphic design, Fashion design, Textile design and Interior design. Other career options such as working in advertising and teaching are also accessible through Art and Design.

Faith can be addressed through art. It can be used to interpret faith as a positive for the wider audience, enabling social barriers to be broken and to allow people to gain an insight into our beliefs. Therefore, offering a vessel to acknowledge and understand.

“The aim of art is to represent not the outward appearance of things, but the inward significance.”

- Aristotle

# Further advice and help

For further advice and help you may:

- Contact the school at [info@pmghs.com](mailto:info@pmghs.com)

- Visit the following websites:

<https://www.aqa.org.uk/subjects/art-and-design>

<https://www.aqa.org.uk/subjects/art-and-design/gcse/art-and-design-8201-8206>

# Business Studies



**Mrs S Khan**

**Email: [sajida.khan@pmghs.com](mailto:sajida.khan@pmghs.com)**





What  
students  
will study

## **Theme 1: Investigating Small Business**

Theme 1 concentrates on the key business concepts, issues and skills involved in starting and running a small business. It provides a framework for students to explore core concepts through the lens of an entrepreneur setting up a business.

## **Theme 2: Building a Business**

Theme 2 examines how a business develops beyond the start-up phase. It focuses on the key business concepts, issues and decisions used to grow a business, with an emphasis on aspects of marketing, operations, finance and human resources. It also considers the impact of the wider world on the decisions a business makes as it grows.

# Why students should choose Business

- After this qualification you'll understand the world of business and have developed skills in:
  - making decisions and developing persuasive arguments
  - creative and practical problem solving
  - understanding data, finance and communication.
- It is also a great step preparing you for further and higher education such as A levels and BTEC courses. A GCSE Business course could help prepare you for an entrepreneurial role and help you to gain an understanding of what is involved in a business-related profession, like accountancy, law, marketing or the leisure and tourism industry.

## Further Advice and Help

- Contact Mrs Khan if you have any questions regarding taking GCSE Business.
- Speak to current Year 10 and 11 Business students to gain an insight of what happens in the lessons.
- Visit the Pearson qualifications website for more information about what students will be studying and how they will be assessed.

# Computer Science



**Mrs Y Rehmani**

**Email: [Yasira.Rehmani@pmghs.com](mailto:Yasira.Rehmani@pmghs.com)**

Options talks

---

**GCSE**  
**Computer**  
**Science**



**PRESTON MUSLIM GIRLS**  
— HIGH SCHOOL —

Education with Patience Modesty Gratitude Humility Sincerity

Maths  
Creating  
Programming  
**Logic**  
Hacking  
Problem solving  
Technology  
Internet

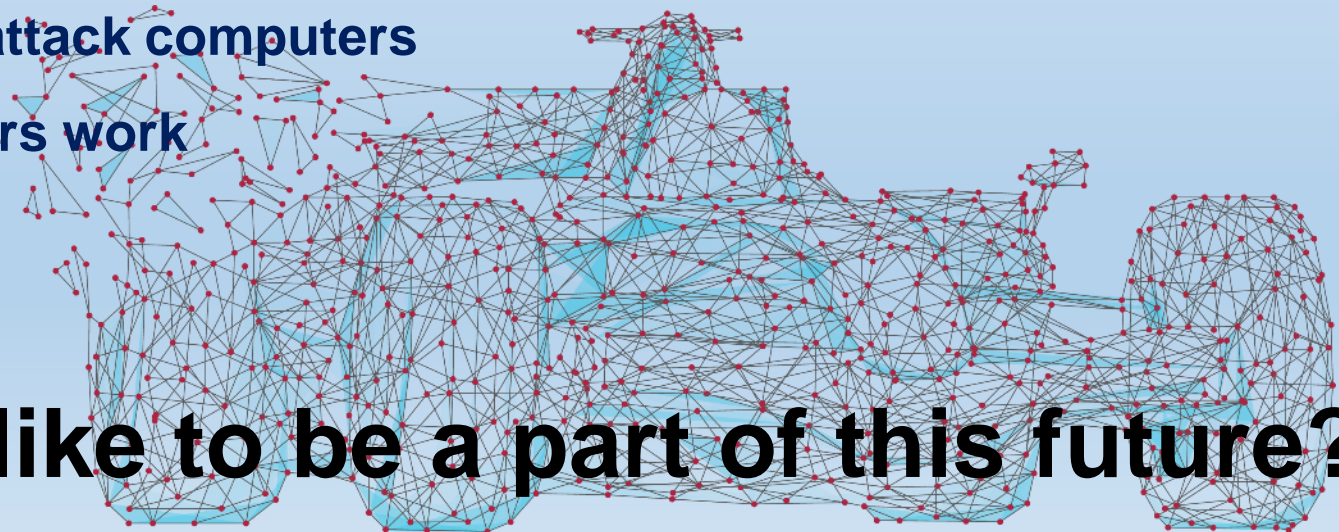
# Why choose GCSE Computer Science with Mrs Rehmani?

Computers are changing every part of our lives at an ever increasing rate – why not drive the future?

In this GCSE:

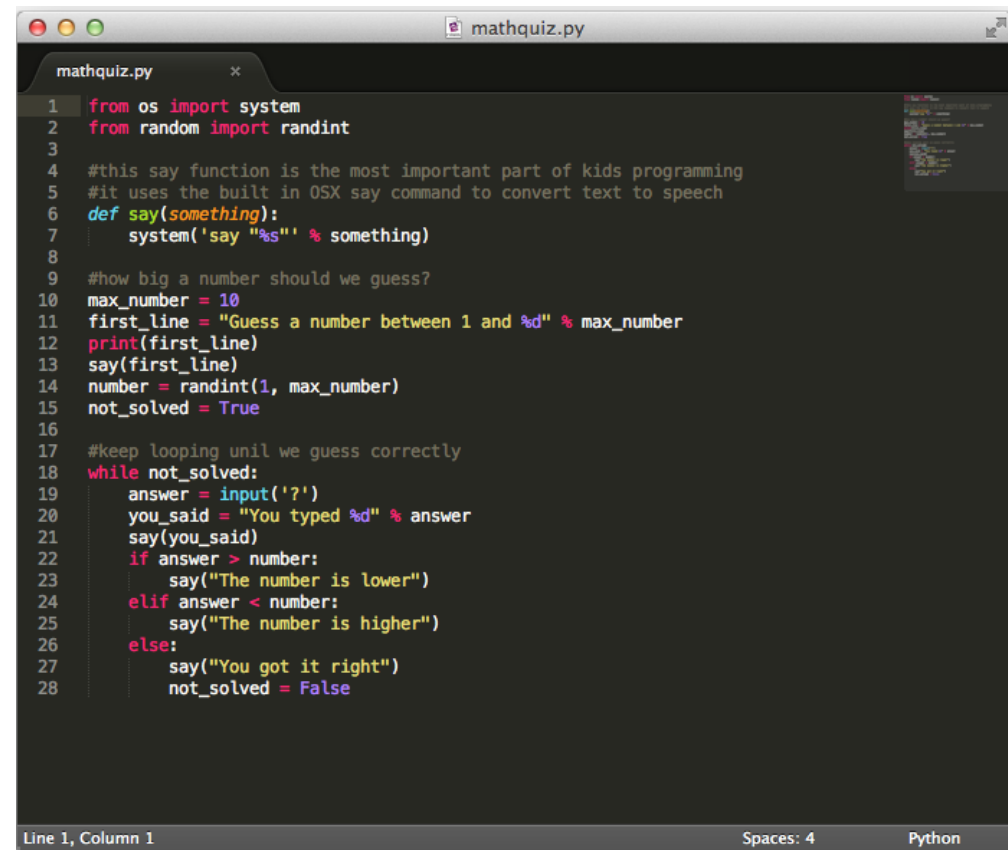
- Experience programming and making new software
- Find out how hackers attack computers
- Discover how computers work
- Solve logical problems

Would you like to be a part of this future?



# What will I learn?

- This GCSE will equip you with a range of transferable practical and theoretical skills:
  - Programming skills in Python
  - An understanding of how computers and networks work
  - Knowledge of cyber-security and how hackers attack systems



```
1 from os import system
2 from random import randint
3
4 #this say function is the most important part of kids programming
5 #it uses the built in OSX say command to convert text to speech
6 def say(something):
7     system('say "%s"' % something)
8
9 #how big a number should we guess?
10 max_number = 10
11 first_line = "Guess a number between 1 and %d" % max_number
12 print(first_line)
13 say(first_line)
14 number = randint(1, max_number)
15 not_solved = True
16
17 #keep looping until we guess correctly
18 while not_solved:
19     answer = input('?')
20     you_said = "You typed %d" % answer
21     say(you_said)
22     if answer > number:
23         say("The number is lower")
24     elif answer < number:
25         say("The number is higher")
26     else:
27         say("You got it right")
28         not_solved = False
```

Line 1, Column 1      Spaces: 4      Python



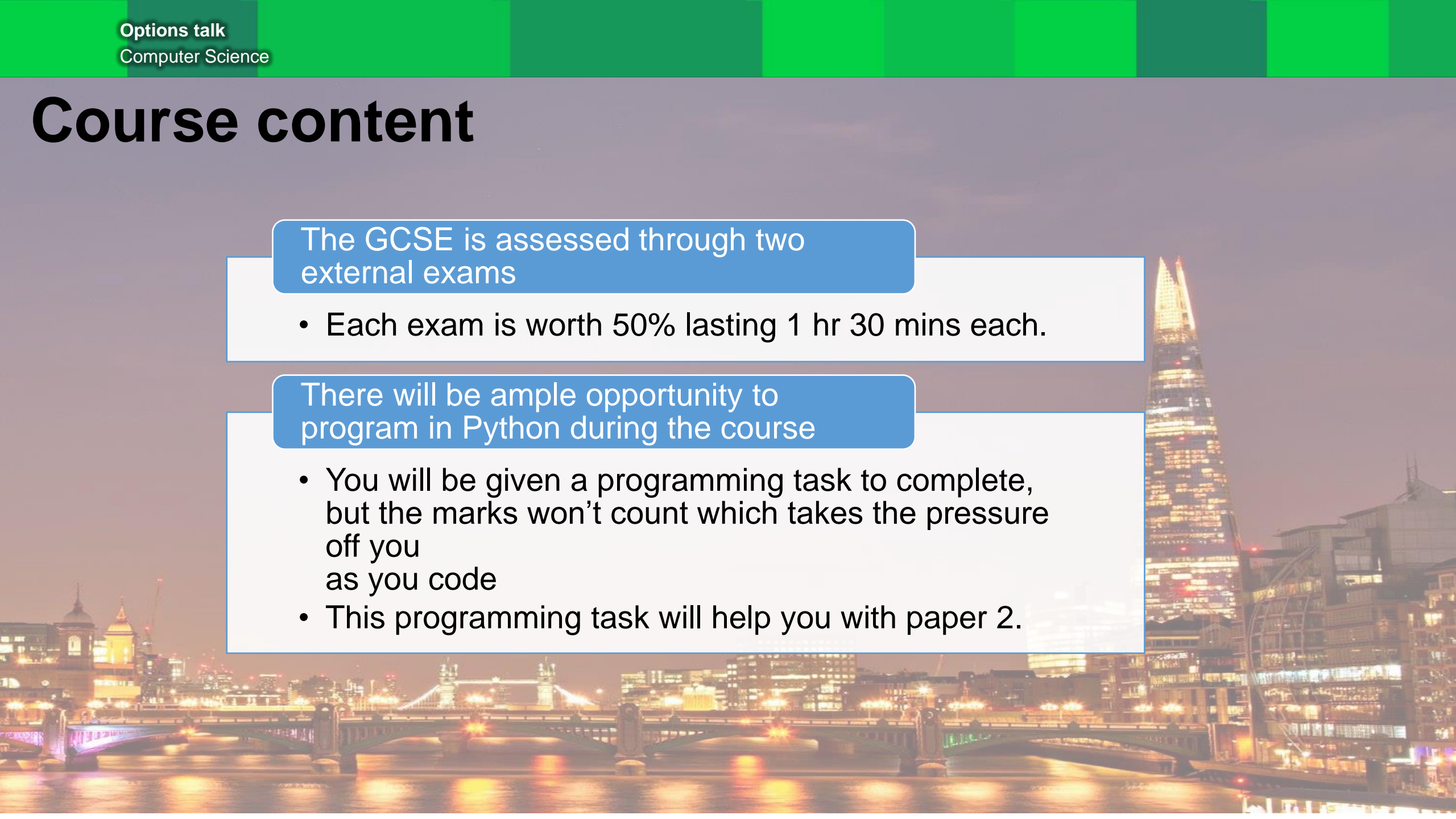
# Course content

The GCSE is assessed through two external exams

- Each exam is worth 50% lasting 1 hr 30 mins each.

There will be ample opportunity to program in Python during the course

- You will be given a programming task to complete, but the marks won't count which takes the pressure off you as you code
- This programming task will help you with paper 2.





# Course Overview

## J277/01: Computer systems

This component will assess:

- 1.1 Systems architecture
- 1.2 Memory and storage
- 1.3 Computer networks, connections and protocols
- 1.4 Network security
- 1.5 Systems software
- 1.6 Ethical, legal, cultural and environmental impacts of digital technology



**Written paper: 1 hour and 30 minutes**  
**50% of total GCSE**  
**80 marks**

This is a non-calculator paper.

All questions are mandatory.

This paper consists of multiple choice questions, short response questions and extended response questions.

## J277/02: Computational thinking, algorithms and programming

This component will assess:

- 2.1 Algorithms
- 2.2 Programming fundamentals
- 2.3 Producing robust programs
- 2.4 Boolean logic
- 2.5 Programming languages and Integrated Development Environments



**Written paper: 1 hour and 30 minutes**  
**50% of total GCSE**  
**80 marks**

This is a non-calculator paper.

This paper has two sections: Section A and Section B. Students must answer both sections.

All questions are mandatory.

In Section B, questions assessing students' ability to write or refine algorithms must be answered using **either** the OCR Exam Reference Language **or** the high-level programming language they are familiar with.



# Equip yourself for success

- IT, programming and computer services have an ever-growing number of jobs in the UK



Big  
careers  
in...

Systems engineer

Design  
**Future careers** electronics  
Games **Web**  
Data **Entrepreneur** App  
analysis UX/UI Programming



The world needs **YOU**  
to help develop the future.

**Are you in?**



Will **you** the next  
**make BIG**



# Design & Technology



**Miss J Albery**

**Email: [Jenny.albery@pmghs.com](mailto:Jenny.albery@pmghs.com)**



# Art & Design – Textile Design



**Miss J Albery**

Ba (Hons) Illustration – UCLAN

PGSE Art and Design – Liverpool John Moors

I have worked in creative industries for many years, both as a teacher and as a freelance artist and designer. This enables me to teach about the creative design industry from first hand experience.

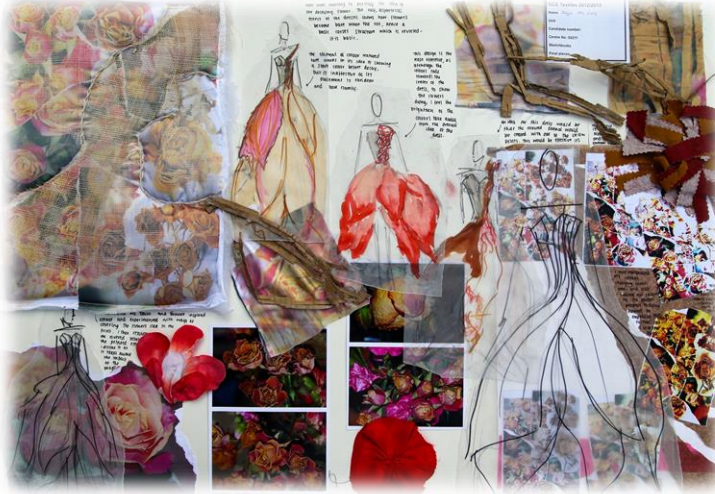




# COURSE CONTENT AT GCSE

## Component 1 – Coursework portfolio (natural form & food)

You will research a range of images, artists and designers, explore artistic elements such as shape, tone, colour and texture and analyse these in depth.



You will explore a range of media and textile techniques associated with your chosen artists and imagery, experimenting with outcomes and evaluating the results.

You will produce a personal response to the topics, designing, making and evaluating the results.



### Component 1: Portfolio

#### What's assessed

A portfolio that in total shows explicit coverage of the four assessment objectives. It must include a sustained project evidencing the journey from initial engagement to the realisation of intentions and a selection of further work undertaken during the student's course of study.

#### How it's assessed

- No time limit
- 96 marks
- 60% of GCSE

Non-exam assessment (NEA) set and marked by the school/college and moderated by AQA during a visit. Moderation will normally take place in June.



# COURSE CONTENT AT GCSE

## Component 2 – Externally set assignment

As with the portfolio, you will research your chosen theme and experiment with a range of media. This will inform your final outcome which you will make during the set 10 hour exam time over two days.



### Component 2: Externally set assignment

#### What's assessed

Students respond to their chosen starting point from an externally set assignment paper relating to their subject title, evidencing coverage of all four assessment objectives.

#### How it's assessed

- Preparatory period followed by 10 hours of supervised time
- 96 marks
- 40% of GCSE

Non-exam assessment (NEA) set by AQA; marked by the school/college and moderated by AQA during a visit. Moderation will normally take place in June.



# What you will do in Textile Design

**Machine  
embroidery**



**Screen printing**

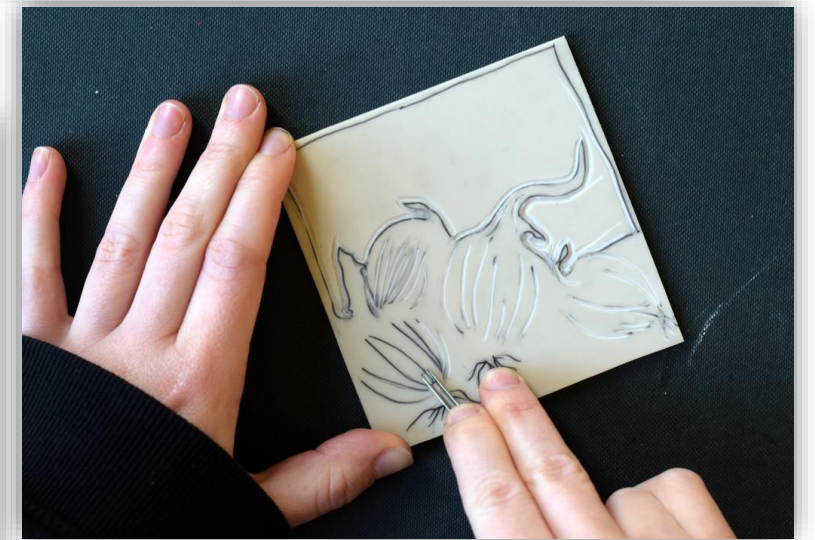
**EMBROIDERY**



**Batik**



**Lino printing**



**Weaving**



**Fabric  
manipulation**



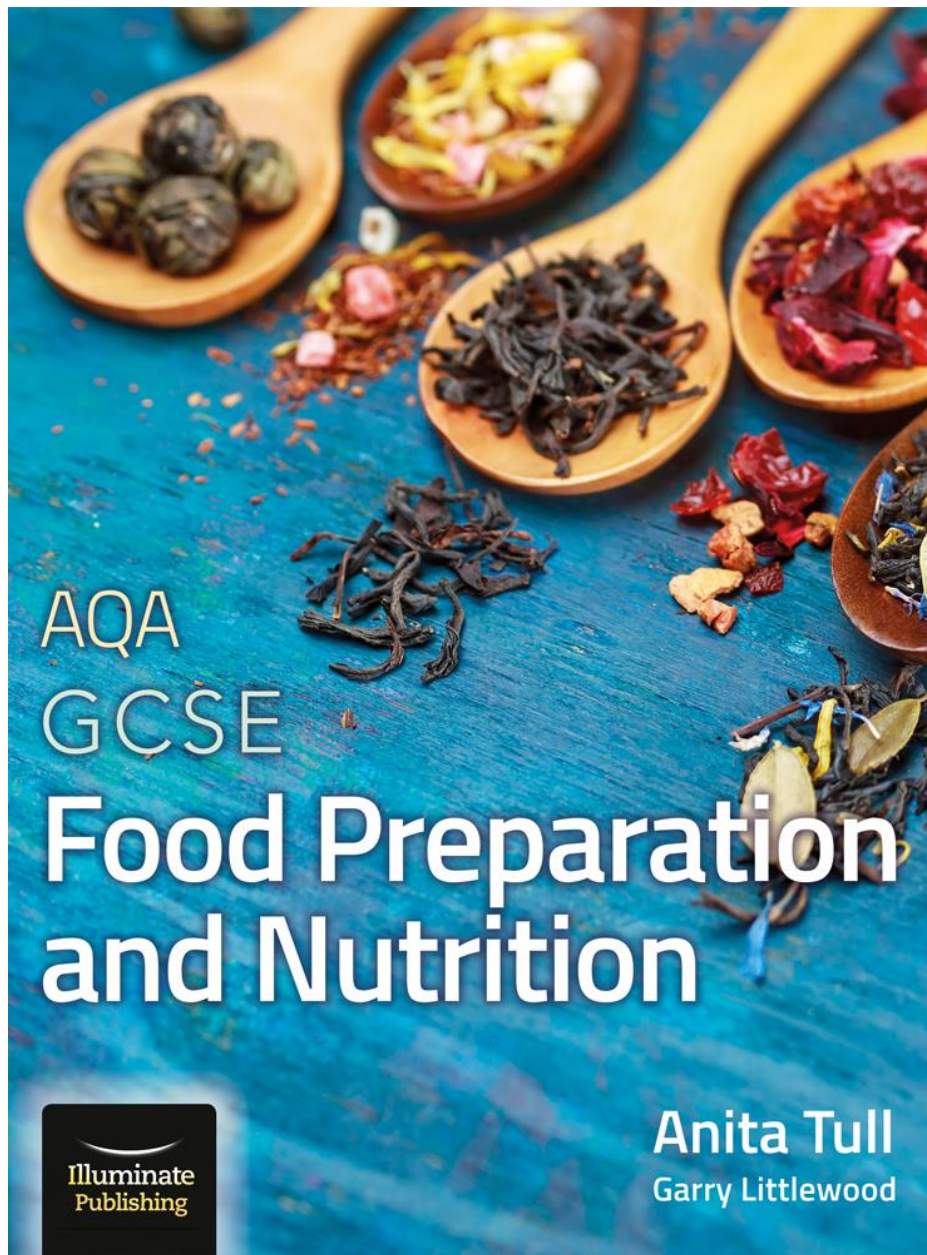
# Food Prep & Nutrition



**Mrs S Patel**

**Email: [Shahida.patel@pmghs.com](mailto:Shahida.patel@pmghs.com)**





# AQA GCSE FOOD PREPARATION & NUTRITION COURSE

The teacher of the GCSE  
course in Year 10 and in  
Year 11 is Mrs S. Patel.

**AQA  
GCSE  
Food Preparation  
and Nutrition  
Course**

**Unit 1**

**Food Preparation and  
Nutrition course**

External Examination-

Written exam: 1 hour 45  
minutes 100 marks.

50% of GCSE

Theoretical knowledge of  
food preparation and  
nutrition

Multiple choice questions  
(20 marks)

Five questions each with a  
number of sub questions (80  
marks)

**Unit 2:**

**Food preparation and Nutrition in Practice**

Controlled assessment- **50% of GCSE**

The controlled assessment tasks must be  
completed under supervision within the  
classroom.

Food investigation task: (15%) (10 hour

Students will carry out an investigation into the  
scientific principles that underpin the preparation  
and cooking of food.

Food preparation assessment (35%) (20 hours)

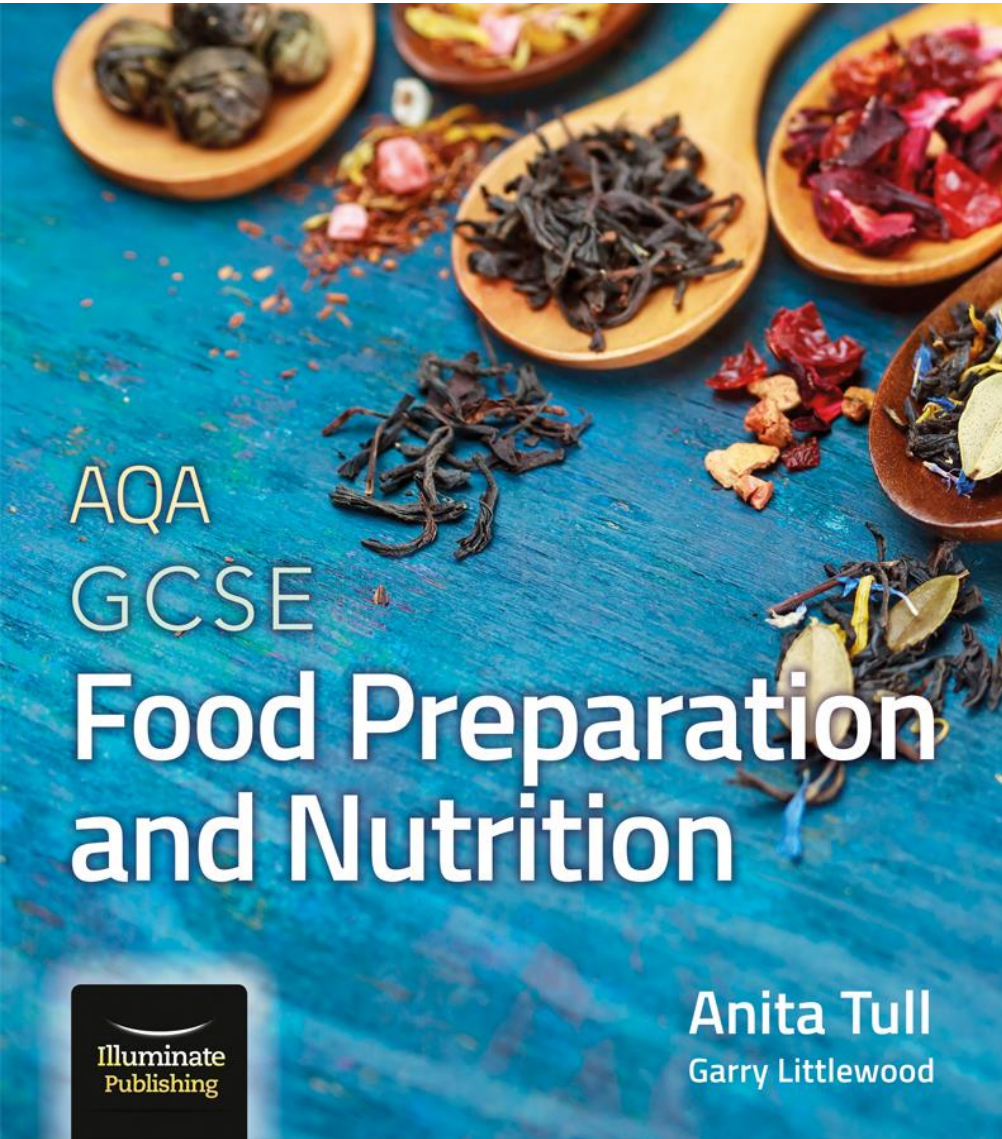
Students' knowledge, skills and understanding in  
relation to the planning, preparation, cooking,  
presentation of food and application of nutrition  
related to the chosen task.

Students will plan, prepare, cook and present a  
three-course menu within 3 hours.

The syllabus for GCSE follows the AQA Food and Nutrition Course. This specification focuses on broader areas of nutrition, diet and health, including food hygiene and safety, food storage, food preparation, cooking and consumer education and the working characteristics of food materials. You will also learn about food from around the world, through the study of British and international culinary traditions as well as developing an understanding of where food comes from (food provenance) and the challenges surrounding food security. You'll master culinary skills and appreciate the science behind food and cooking. This is an exciting and creative course which will allow you to demonstrate your practical skills and make connections between theory and practice. The course also gives students the opportunity to research, plan, investigate and make meals relating to specific diets.

The aim of the GCSE course is to provide students with knowledge and skills, which will be of value in their future lives. They develop knowledge and understanding of human needs and issues that affect the quality of human life, within a diverse society. The skills and knowledge acquired will be relevant and transferable to other settings, enhancing career opportunities in Health and Social Care, Catering and Hospitality and jobs as Dieticians and Nutrition Analysts.





More information about the AQA GCSE Food Preparation & Nutrition Course is available online on the AQA Examination Board.

# Geography



**Mr G Hogan**

**Email: [george.hogan@pmghs.com](mailto:george.hogan@pmghs.com)**

**Mrs H Pugsley**

**Email: [helen.pugsley@pmghs.com](mailto:helen.pugsley@pmghs.com)**

## GCSE Geography at PMGHS

- At PMGHS geography is taught by Mr George Hogan and Mrs Helen Pugsley.
- **Mr Hogan** is a highly experienced teacher, with over 25 years teaching geography at high school level, he is specialised in teaching Physical Geography.
- **Mrs Pugsley** is newer to teaching, having retrained from a very successful career in the IT sector as a Commercial Director, she is our Human Geography specialist.
- Our teachers are passionate about their subject and have a wealth of academic and relevant life skills to bring to our students.



*"The study of geography is about more than just memorizing places on a map. It's about understanding the complexity of our world, appreciating the diversity of cultures that exists across continents. And in the end, it's about using all that knowledge to help bridge divides and bring people together."*  
-President Obama

*"Everything has to do with geography."*

A close-up image of a globe with a green pushpin stuck into it. The pushpin is positioned over the map of Europe. The text "Everything has to do with geography." is written in a cursive font over the globe.



At PMGHS our young geographers learn a broad range of physical and human geography, coupled with **fieldwork and real life applications**. The topic is **really varied and interesting**, from climate change to reducing the gap between rich and poor, it covers real world issues that impact our world today. Our focus of study is based on knowledge, analytics and opinions, developed and supported by real world examples. We build and develop skills in geography that are highly sought after in the world or work and engender **thoughtful students who have an appreciation of the world around them**. Our subject content includes..... (ctrl/ click on any link to find out more)



Physical landscapes in the UK



The challenge of natural hazards



Urban issues and challenges



The changing economic world



The living world



The challenge of resource management







For more information contact the school on [info@pmghs.com](mailto:info@pmghs.com)

For details on the curriculum we follow click here: [AQA | Geography | GCSE | Geography](#)

For more information on Geography careers click here: [Royal Geographical Society - Why you should study geography \(rgs.org\)](#)

*Geography is the subject which holds the key to our future*

*Michael Palin, President of the [Royal Geographical Society \(with the Institute of British Geographers\)](#)*

# Health & Social Care BTEC Tech Award Level 1 and 2



**Ms A Bapu**

**Email: [Anisah.bapu@pmghs.com](mailto:Anisah.bapu@pmghs.com)**

# Who will be teaching Health and Social Care in year 10 and 11?

H&SC is taught by Ms Bapu in year 10 and 11.

Additional Teacher-Assistant support is available in H&SC lessons, where the pupils can have access to support as they work on their tasks and assignments.

# What is it about?



The Award gives learners the opportunity to develop sector-specific knowledge and skills in a practical learning environment. The main focus is on four areas of equal importance, which cover the:



- development of key skills that prove your aptitude in health and social care such as interpreting data to assess an individual's health .



- process that underpins effective ways of working in health and social care, such as designing a plan to improve an individual's health and wellbeing



- attitudes that are considered most important in health and social care, including the care values that are vitally important in the sector, and the opportunity to practise applying them



- knowledge that underpins effective use of skills, process and attitudes in the sector such as human growth and development, health and social care services, and factors affecting people's health and wellbeing.

# Why choose Health & Social Care?

- About 3 million people work in health and social care. Health care roles include doctors, pharmacists, nurses, midwives and healthcare assistants, while social care roles include care assistants, occupational therapists, counsellors and administrators. Together, they account for nearly one in ten of all paid jobs in the UK. Demand for both health and social care is likely to rise, so they will continue to play a key role in UK society and the demand for people to carry out these vital roles will increase.
- A BTEC is a great way to continue your academic studies while **building real-life work skills and experience**. BTECs help you show the world what you can do. People like to learn in different ways. You still study with a BTEC, but there's no cramming for final exams!
- As 60% of this course is based on internally marked assignments, you have a better control of your final grade!

# Get in touch!



If you would like to know more about this subject, please do not hesitate to contact the school.

Good luck with your options!





**Mrs S Begum**

**Email: [sara.begum@pmghs.com](mailto:sara.begum@pmghs.com)**

**Mrs L Marsden**

**Email: [lauren.marsden@pmghs.com](mailto:lauren.marsden@pmghs.com)**

**“Throughout history many nations have suffered a physical defeat, but that has never marked the end of a nation. But when a nation has become the victim of a psychological defeat, then that marks the end of a nation.”**

Ibn Khaldun

## **WHY STUDY HISTORY?**

The psychological defeat being referred to means erasing the knowledge of the history of a nation and therefore how important it is to keep one's history alive.

**History tends to be well respected by employers as a challenging academic subject, and the analytical skills it develops could lead to wide-ranging careers.**

---

- At PMGHS our History Curriculum from KS3 through to KS4 is rich and engaging.
- It cultivates your skills of critical thinking, extended writing and independent thinking.
- Many of the topics we cover allow you to understand current affairs with greater insight, so that when you watch the news, you can make connections.
- GCSE History lessons are full of debate and thought-provoking discussion. Our girls love to discuss politics and current affairs, and many are so inspired that they choose to study History at A-Level.

“ History degrees aim to widen the student's experience and develop qualities of perception and judgement, while fostering intellectual independence, sharpness and maturity. ”

## SKILLS AND CAREERS

<https://www.youtube.com/watch?v=MH-poqMomhK>

### SKILLS

- Analysis
- Essays Writing
- Research
- Communication
- Problem Solving
- Arguing

### CAREERS

- Law
- Politics
- Public Sector
- Management
- Marketing
- Business
- Teaching
- Archaeology
- Research
- Economics
- Insurance

# What courses do we study in History at PMGHS?

- Germany, 1890-1945: Democracy and Dictatorship
- Elizabethan England c.1568-1603
- Conflict and Tension 1918-1939 (The inter war years)
- Health and the People: c.1000 to the present day



GCSE History has a reputation for being a difficult subject but, it is no more difficult than any other GCSE, if you are prepared to work hard and commit to your studies. We have an outstanding track record of GCSE results in History at PMGHS, far in excess of the national average and our pupils go on to achieving top grades in large numbers, including a very high percentage of Level 9's. Pupils who choose History tend to enjoy and excel in English Language and Literature. The subjects are closely connected and support each other.

# Sports Studies



**Mrs T Kalang**

**Email: [Tahera.kalang@pmghs.com](mailto:Tahera.kalang@pmghs.com)**



# **OCR CAMBRIDGE NATIONALS SPORTS STUDIES LEVEL 1/2**

---

**TEACHER: MRS KALANG**



# COURSE CONTENT IN YEAR 10 AND YEAR 11

---

There are four units in total, completed across the two years:

**RO51** – Theory of Contemporary Issues in

Sport

**RO52** – Developing Sports Skills

**RO53** – Sports Leadership

**RO56** – Developing Knowledge and Skills

in Outdoor Activities

Examination in Year 10: RO51 and RO52

Examination in Year 11: RO53 and RO56

# WHY CHOOSE SPORTS STUDIES:

---

- provide you with the opportunity to enjoy and understand the benefits of many different aspects of sport.
- opportunities to learn about healthy active lifestyles
- opportunities to develop your leadership skills through refereeing and officiating.
- develop key skills in teamwork and communication.
- experience a variety of sports at school including outdoor activities.
- learn about contemporary issues in sport such as funding, participation, ethics and role models.
- develop an appreciation of the importance of sport locally and nationally.



# FURTHER ADVICE AND HELP

---

Contact the PE department and speak to a member of staff

Visit the following websites for course information:

<https://www.ocr.org.uk/qualifications/cambridge-nationals/>

[Cambridge Nationals - Sport Studies Level 1/2 Award/Certificate - J803, J813 – OCR](#)



If you require any further information please contact your daughter's subject teacher or the school on:

Email: [info@pmghs.com](mailto:info@pmghs.com)

Tel: 01772 651906



**PRESTON MUSLIM GIRLS**

**HIGH SCHOOL**

Education with Patience Modesty Gratitude Humility Sincerity



PRESTON MUSLIM GIRLS

— HIGH SCHOOL —

Education with Patience Modesty Gratitude Humility Sincerity

