



Year 10 - 11 Guided Pathway Information

September 2023

Overview



Year 9 into 10

Introduction for courses starting September 2023

YEARS 10-11 GUIDED PATHWAY INFORMATION

Continuing the Five Year Curriculum Journey

We are pleased to attach the Guided Pathway information booklet for Years 10-11 at Outwood Academy Freeston.

At Outwood Grange Academies Trust we firmly believe that all children, irrespective of their starting point, are entitled to a broad and balanced curriculum which will enable them to succeed both whilst at the academy and beyond. It is our intent that the experiences we provide our students through our wider educational offer, and specifically our curriculum offer, drives our Trust vision *Students First: raising standards and transforming lives*. To that end, at Outwood Academy Freeston we are delighted to offer a curriculum, which enables all students within our academy to fulfill their potential and develop the all-important knowledge, skills and qualities which will serve them well in later life.

Five Year Educational Journey

Students as they move from Year 9 into Year 10 at Outwood Academy Freeston, have their second main point of choice within their five year educational journey with us.

A feature of our Years 10 & 11 curriculum is the Guided Pathways, which, alongside a core entitlement, make up the broad and balanced range of subjects on offer. In the attached subject information you will see that the core subjects: GCSE English Language and Literature, GCSE Mathematics and GCSE sciences - combined (double) science or biology, chemistry and physics - are taken by all students alongside non-examined courses in physical education and personal, social, religious and health education (currently called the Life programme). Students then have three subjects to choose as part of their Guided Pathways allocation. At Outwood Academy Freeston, one of these subjects has been chosen already and is underway in Year 9.

Your next choices

Furthermore, we fully support the entitlement that students have to study the group of qualifications which the government calls the English Baccalaureate (EBacc): English, mathematics, sciences, one humanities subject (geography or history) and a modern foreign language. To both support attainment in this important group of subjects and promote a broad and balanced curriculum for your child, we require all students to study either geography or history. For many students it will be appropriate that they also study a modern foreign language subject so that they can attain the Full EBacc which, increasingly, higher education establishments are looking for; these subjects are also an excellent foundation for all students, including those who wish to go on and study A Levels in the 'Facilitating Subjects' (biology, chemistry, English, geography, history, maths, modern and classical languages, physics). It is possible to study both geography and history alongside a modern foreign language if a student wishes.

Your Future Career

We will provide specialist independent careers advice to ensure that students have access to impartial support during this process.

At Outwood Academy Freeston we feel it is important to offer a broad range of creative and sports subjects which have historically been extremely successful, to support and enhance our broad and balanced curriculum.

We understand that this is a crucial time and the choosing of, particularly, qualification courses is very important. You will find further information about support available to you in this booklet, including details of the Guided Pathway Google Site and contact details for staff who can help with any questions.

Whatever students are hoping to study, and then do in later life, we are sure that you will find the Guided Pathway process helpful, in the full knowledge that our sole aim is to put Students First: raising standards and transforming lives.

Making the RIGHT Choice

In general terms what does the curriculum look like?

The timetable week contains 25 x 1 hour periods; plus, tutor time.

This 25 period week is split into compulsory Core subjects and Guided Pathway subjects.

	Year 10	Year 11
Core	English 5 hrs Maths 4 hrs Science 4 hrs PE 1 hr RE/LIFE 1 hr	English 5 hrs Maths 4 hrs Science 6 hrs PE 1 hr
Guided Pathway Qualifications	<p>Students can choose <u>three subjects</u> from a list of courses</p> <p>At Outwood Academy Freeston, one of these subjects has been chosen already and is underway in Year 9.</p> <p>The expectation is that all students will study at least <u>one</u> EBacc Humanity subject (geography or history) at GCSE in Years 10 & 11; and that many will study for the Full EBacc (1x MFL (Spanish) <u>and</u> 1x Humanity).</p>	

Guided Pathway Qualifications

(Chosen in January of Year 9, to start in Year 10)

The courses which students can choose from, to start in Year 10, are:

<p>Students choose two subjects from these lists History <i>or</i> Geography and one subject from the longer list below:</p>	
<p>Students will need to choose at least one subject from this list of Humanity EBacc subjects.</p>	<p>Choose ONE subject from this list</p>
<p>History (GCSE) OR Geography (GCSE)</p>	<p>Spanish GCSE (EBacc Students) Computer Science (GCSE)* Textiles (GCSE) Resistant Materials (GCSE) Religious Studies (GCSE) Music (Vocational Award) Hospitality and Catering/Food - (Vocational Award) History (GCSE) Geography (GCSE)</p>

(*) - Computer Science is a new course for 2022/23

Terminology that may help you and your child

Core	These are compulsory subjects: English, maths, science, PE, RE/Life
Guided Pathway Choices	There is an element of choice about which of these subjects to study
Level 1	GCSE grades 3-1 or equivalent
Level 2	GCSE grades 9-4 or equivalent With grades 5+ being classed as strong pass grades
Level 3	'A' Level grade A*-E or equivalent
GCSE	A course graded 9-1. These are assessed mainly or solely by examination (see individual subject guides for further information)
BTEC Technical Award / OCR National	Vocational qualifications, graded pass/merit/distinction/distinction*, and equivalent to a GCSE. Larger portfolio/coursework based elements, with some assessment by exam (see individual subject guides for further information). Designed to equip students with applied knowledge and associated practical skills; and closely aligned with the world of work
Facilitating Subjects	The Facilitating Subjects are: maths, English, sciences (including computer science), geography, history and modern foreign languages. Please see link below regarding the value placed on these subjects
Full EBacc (EBacc = English Baccalaureate)	For students to study the Full EBacc they must take GCSEs in maths, English, at least two sciences, one of history or geography and a modern foreign language

<https://www.informedchoices.ac.uk/>

What sort of future planning should students be doing?

Where possible, if students have a goal to aim for, this can help focus their choice of courses. Having said that, we fully understand that many students will either not have a career path planned out or may change their plans. We would encourage students to choose a broad range of qualifications over Years 10 & 11, to keep their future options open.

Attainment 8

The government created and now uses a Level 2 Threshold measure called Attainment 8.

Attainment 8 is starting to become part of the admissions criteria for some further or higher education establishments and employment. A student's Attainment 8 score not only indicates their average grade, it also demonstrates performance across a range of subjects. It expects students to have achieved best possible grades in:

- GCSE Maths and GCSE English
- Any three GCSE qualifications from the Sciences, geography, history or modern foreign languages
- A further three qualifications which can be either BTEC Technical Award/OCR National, or GCSE or other approved qualifications

We will therefore support students in the core curriculum and through their Guided Pathway choices to achieve their best possible score in this measure.

What if students cannot do their chosen course?

We build the Guided Pathway subject blocks based on student choices rather than ask them to pick from pre-determined blocks, so we hope that the courses offered will be available to all the students who want them but we will ask you to give us two alternative/reserve choices.

Despite every effort to give all students their preferred choice, this may not always be possible. Alternatives may have to be considered if:

- Too many students opt for a particular course
- Too few students select a particular course
- We wish to advise a better range of courses to meet a student's needs
- Combinations of courses are chosen which don't work once the blocks have been created

We will write to you in the summer term to confirm your choices.

Can students change their mind?

We always do our best to ensure that all students' choices can be matched but please bear in mind that students who submit choices after the deadline may not find it possible to be placed on their first choice courses. As soon as the options deadline has passed, work begins on timetabling. Alterations to choices may not be possible from this point onwards.

Once a decision has been made and a course begun, it is extremely difficult to make any changes. It is therefore essential that time and thought be given to the combination of courses to be taken.

What support is available to help decide which course to take?

1. Subject staff will be available throughout January 2023.
Please email (l.marsh@freeston.outwood.com) if you have any questions or would like more guidance with this process.
2. We have a careers advisor available, for any student who wishes to book an appointment.
3. Students are welcome to discuss course choices in relation to their future career plans and current level of performance with subject and pastoral staff during the academy day, over the next few weeks.
4. Year 9 Parents Evening takes place on **Tuesday 10th January 2023**.
5. Our Guided Pathways evening is scheduled to take place on
Tuesday 17th January 2023 5:00pm to 6:30pm, with a presentation at 5:00pm.
(Please book seat tickets for this presentation via a google form which will be sent to you via text early January)

**Deadline for Year 9 into 10 choices Google Forms to be
submitted on or before:**

Wednesday 25th January 2023

*Returns will be collected via a Google Form.
Students will receive their option form through their
'Year Group Google Classroom' on
Friday 9th December 2022.*

Complete this google form once *only*. Be sure of your choices.

Just a reminder that we will be collecting students choices for the following:

Guided Pathway Qualifications

Two more qualifications, one of which must be:

GCSE Geography or GCSE History

Plus

One other from the following list of nine subjects

- Spanish** GCSE (EBacc Students)
- Computer Science (GCSE)
- Textiles (GCSE)
- Resistant Materials (GCSE)
- Religious Studies (GCSE)
- Music (Vocational Award)
- Hospitality and Catering/Food (Vocational Award)
- History (GCSE)
- Geography (GCSE)



Guided Pathway Information

September 2023

SUBJECT

INFORMATION

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GCSE English Language

What will I Learn?

This course aims to develop students' ability to read, understand and respond to a variety of texts, appreciate the works of various writers and the way they achieve their effects; organise their written work to communicate appropriately to a variety of audiences and for a variety of purposes; take part in a variety of speaking & listening activities.

How will I be assessed?

Spoken language - a grade will be given on the GCSE certificate for a presentation/speech, including responses to questions and feedback.

Reading - 50% final exams. This will include the reading of a literature text from the 20th century and two extracts of high quality non-fiction writing, one from the 19th century and the other from the 21st century.

Writing - 50% final exams. The exams will require students to produce one creative writing task from a choice of titles and two pieces of nonfiction writing: articles, letters, reviews, reports, speeches etc.

GCSE English Literature

The English Literature GCSE encourages learners to develop knowledge and skills in reading, writing and critical thinking. It provides learners with opportunities to read widely for pleasure across a range of high quality texts in the genres of prose, poetry and drama and to develop an understanding of how literature is both rich and influential. It enables learners to make connections across their reading and develop a clear understanding of literary works and also prepares them for the study of literature at a higher level.

What will I Learn?

This GCSE in English Literature develops the students' ability to read a wide range of classic literature fluently and with good understanding, and make connections across their reading; read in depth, critically and evaluatively, so that they are able to discuss and explain their understanding and ideas; develop the habit of reading widely and often; appreciate the depth and power of the English literary heritage; write accurately, effectively and analytically about their reading, using Standard English; acquire and use a wide vocabulary, including the grammatical terminology and other literary and linguistic terms they need to criticise and analyse what they read.

100% on two final exams. The first exam worth 40% of the GCSE will be based on the reading of a Shakespeare text (one extract question and one essay question) and two questions based on poems from the WJEC Eduqas Poetry Anthology (from 1789 to the present day), one of which involves comparison.

The second exam worth 60% will involve one source-based question on a post 1914 prose/drama text, one source-based question on a 19th century prose text and two questions on unseen poems from the 20th/21st century, one of which involves comparison.

GCSE Mathematics

What will I learn?

This GCSE course requires you to demonstrate your knowledge, understanding and skills in the following key areas:

Number; Algebra; Geometry; Measures; Statistics and Probability.

The GCSE course will encourage pupils to:

- consolidate their understanding of mathematics;
- be confident in their use of mathematics;
- extend their use of mathematical vocabulary, definitions and formal reasoning;
- develop the confidence to use mathematics to tackle problems in the workplace and everyday life;
- develop an ability to think and reason mathematically;
- learn the importance of precision and rigour in mathematics;
- make connections between different areas of mathematics;
- realise the application of mathematics in the world around them;
- develop a firm foundation for appropriate further study.

How will I be assessed?

At the end of the course, students will be awarded a GCSE grade between 1-9, where 9 is the highest. The Mathematics GCSE will consist of three examination papers.

Two calculator papers and one non-calculator paper, each paper is one hour and 30 minutes. All three papers must be taken at the end of the GCSE. Each paper is worth 1/3 of the total GCSE mark.

There is no controlled assessment to complete for GCSE Mathematics.

The examinations are available in two tiers – foundation and higher. The foundation tier will cover grades 1-5 and the higher tier will cover grades 4-9.

Why will this course be useful to me?

Mathematics is used in many careers like Economics, Archeology, Medicine, Psychology, Architecture and many more so a good grade in GCSE Mathematics will make all of these careers easier to access.

Mathematics is also very good at developing your skills of problem solving, but most of all, an understanding of mathematics is essential for leading a full and profitable life in the modern world.

GCSE Combined Science (Trilogy) or Separate Sciences

Students will follow the AQA specification and will receive either two or three GCSE qualifications in Science.

What will I learn?

Biology

- Cell Biology;
- Organisation;
- Infection and response;
- Bioenergetics;
- Homeostasis and response;
- Inheritance, variation and evolution;
- Ecology.

Chemistry

Atomic structure and the periodic table;

- Bonding, structure, and the properties of matter;
- Quantitative chemistry;
- Chemical changes;
- Energy changes;
- The rate and extent of chemical change;
- Organic chemistry;
- Chemical analysis;
- Chemistry of the atmosphere;
- Using resources.

Physics

- Forces;
- Energy;
- Waves;
- Electricity;
- Magnetism and electromagnetism;
- Particle model of matter;
- Atomic structure.

How will I be assessed? There are 6 exams, each of the exam papers will assess knowledge and understanding from distinct topic areas. Written exam papers are one hour and 15 minutes each for Combined Science and one hour and 45 minutes each for Separate Sciences. Foundation and Higher tiers available. Students will be required to complete 16 compulsory practical investigations throughout the course which will be examined within the papers.

Why will this course be useful to me? Career pathways in Science are numerous including: engineering, research, medicine and teaching.

GCSE Geography

Students will discover how humans influence and interact with their environment. They will assess the impacts of a fast developing world, such as urbanisation, lack of food resources, overpopulation and the economic climate. Students will gain an understanding and appreciation of the physical landscapes in the UK, local and global effects of natural hazards, such as earthquakes. Comparing ecosystems around the world, and how species have adapted to the environment.

Students will also be expected to conduct their own individual fieldwork. During the course students will acquire and apply the skills and techniques: including those of teamwork, decision making, map work, fieldwork and ICT (geographical information systems). Students will benefit from assessing issues which affect the natural environment, which will enable them to make sense of the changing world around them.

How will I be assessed?

Subject content: assessment is split into four areas:

Living with the Physical Environment: 35% of GCSE - Written exam: 1 hour 30 minutes

- Section A: The challenge of natural hazards
- Section B: The living world
- Section C: Physical landscapes in the UK

Challenges in the Human Environment: 35% of GCSE - Written exam: 1 hour 30 minutes

- Section A: Urban issues and challenges
 - Section B: The changing economic world
 - Section C: The challenge of resource management
- Geographical Applications:** 30% of GCSE -

Written exam: 1 hour 15 minutes

- Section A: Issue evaluation
- Section B: Fieldwork.

Geographical Skills

Cartographic, Numerical, Geographical Information Systems and Enquiry skills. These skills are assessed in each of the exams.

What other activities will I take part in?

Fieldwork opportunities will be offered to students to support topics studied.

GCSE History

What will I learn?

The course is broken down into three examination components, you will learn about:

Unit 1 - Thematic Study and Historic Environment

Written examination: 1 hour and 15 minutes 30% of the qualification - 52 marks (16 for the historic environment, 36 for thematic study). This unit of study allows you to apply contextual understanding of the history of Medicine 1250 – present and The British sector of the Western Front, 1914–18: injuries, treatment and the trenches.

Unit 2 - Period Study and British Depth Study

Written examination: 1 hour and 45 minutes. 40% of the qualification - 64 marks (32 for the period study and 32 for the British depth study) This unit covers a British depth study of Early Elizabethan England 1558-88 and a period study covering 60 years of American History. The period study on the American West is worth 20% of your final grade and the British depth study is also worth 20% of your final grade.

Unit 3- Modern Depth Study

Written examination: 1 hour and 20 minutes 30% of the qualification - 64 marks (32 for the period study and 32 for the British depth study) This unit allows you to study a non-British topic where you focus on one era and explore how and why historical interpretations of it differ. You will study Germany between 1918 and 1939; from the problems left by World War One through Hitler's rise to power and on to life in Hitler's Germany.

How will I be assessed?

At Outwood Academy Freeston you will follow the Edexcel GCSE History course. You will complete three examinations at the end of Y11.

Paper One - British Thematic Study with Historic Environment 30% of your final grade. 1 Hour 15 Minutes Examination Section A: Historical environment of the British sector of the Western Front, 1914–18: injuries, treatment and the trenches. Section B :Thematic Study Medicine 1250 to the present.

Paper Two - Period Study and British Depth Study 40% of your final grade. 1 Hour 45 Minutes Examination Section A: Period study on the American West, c1835 - c1895 (20%) Section B: British depth study on the early Elizabethan period (20%)

Paper Three - Modern World History 30% of your final grade. 1 Hour 20 Minutes Examination Weimar and Nazi Germany, 1918 –1939 (30%)

Why will this course be useful to me?

The qualification you will study encompasses a wide range of themes, historical events and eras, so you can understand the past and its impact on the world around us. History helps to develop well informed students who can think and make decisions for themselves.

GCSE Spanish

What will I learn?

During the Spanish course you will learn to understand and communicate in Spanish in four skill areas: Listening, Speaking, Reading and Writing. We will cover a range of topics that will be relevant to you when you visit or work in any Spanish speaking country, of which there are 22 in the world! You will be able to book accommodation, order food in a café or restaurant, shop for food, clothes and souvenirs as well as make travel arrangements and discuss your own life and family life. You will also develop skills in translation, transcription and correspondence via email.

How will I be assessed?

You will be assessed in each of the four skill areas in four separate exams in the summer of year 11. Each skill area accounts for 25% of the overall grade. During the speaking exam, you will need to participate in a role play, discuss a photograph and take part in a general conversation on two topic areas. The reading and listening exams require you to interpret the stimulus and you will need to answer questions both in English and Spanish. A translation from Spanish into English is also required.

The written exam requires you to produce two short essays and translate from English into Spanish.

Why will this course be useful to me?

Spanish is spoken not only in Spain and its beautiful islands, but in a further 21 countries throughout the world, mostly in the Americas. There are also some countries where Spanish is recognised as an official second language for example in the USA, which now has more than half the population as native Spanish speakers. 78% of British businesses recognise that they need to increase the number of employees who can speak a foreign language in order to maximise trade.

By choosing to study Spanish for GCSE you are widening your employment opportunities in a huge range of career choices, including tourism (the world's fastest growing industry), export and sales, media (TV, radio, newspapers, magazines, v-blogs, twitter etc.), fashion, law, medicine, sport, the armed forces etc. In fact almost all industries would benefit from employing a linguist. Many employers pay a higher wage to linguists.

A GCSE in a language is a highly valued qualification in itself and combines well with other subjects to provide a broad academic background. Language learners are also proven to be more tolerant and open-minded. Universities are increasingly requesting a GCSE in a language for a range of subjects such as law, history and medicine. We strongly recommend researching the requirements of these courses before selecting your options.

Finally, besides the actual learning of the language, you will develop effective skills in communication, team work, ICT, problem solving and using your own initiative – all of which are highly regarded by employers, colleges and universities. Learning a language is a skill for life, often leading to the acquisition of other foreign languages. It combines a love of the language with a deeper understanding of culture and traditions.

GCSE Design and Technology

What will I learn?

You will learn a range of practical skills and techniques which will help you to design and manufacture quality products. You will learn to enhance your product by adding artwork of your choice. You will learn how to use a range of tools, equipment and machines, then develop the ability to assemble your product to produce a fully functional project to take home. You will also gain knowledge of a range of materials including card, metal, wood and plastics. You will also learn how CAD/CAM (Laser cutter & Engraver) plays a part in the manufacture of a range of products.

You will learn how products are designed and manufactured in industry by studying the following components:

- Design and technology and our world
- The properties and uses of Modern and Smart materials
- How basic Electronic systems operate
- Mechanical components and devices
- Renewable energy and sustainability

You will be able to specialise in a chosen material area as you progress on this course. This applies to both specialisms. You can select from **Paper and Boards(Graphics), Timbers, Plastics, Metals, Electronics, Mechanisms, or Textiles**

Two specialisms include:

1. **Design & Technology - Resistant Materials**
2. **Design and Technology - Textiles**

Choose one: either Textiles or Resistant Materials

How will I be assessed?

You will be assessed in two components.

Component 1 is a written exam with 50% of your final GCSE grade.

Component 2 is a design and make task and this is worth 50% of your final GCSE grade.

Why will this course be useful to me?

Students will be able to specialise in either Fashion and Textiles or Product Design. Leading to possible careers in Fabric Design, Fashion Design, Product Design, Joinery, Plumbing, Engineering, Mechanics, Graphic design, Art and design, Media, Photography, Construction and building services, Motor vehicle – technology and repair.

BTEC Tech Award in Music Practice

What will I learn?

Through focused listening and music-making activities, you will explore a variety of musical styles and understand the key stylistic features of different genres of music. You will apply stylistic features to performance, composition and music production activities.

There are three components to this course:

1. Exploring Music Products and Styles. (internally assessed)
2. Music Skills Development (Internally assessed)
3. Responding to a commercial brief (Externally assessed)

Components 1 & 2

1. The development of core knowledge and understanding of music styles and techniques used in a range of music genres, and how to respond to a music industry brief.
2. The development and application of skills such as practical workshops and classes
3. Reflective practice through the development of skills and techniques that allow learners to think about the development of their idea from the initial plan to the final music product.

Component 3

1. This component will allow you to work to your strengths and interests and apply the skills that you have learned throughout your course in a practical way. You will focus on a particular area of the music industry that excites and appeals to you and respond to a commercial music brief as a composer, performer or producer.

This is a very practical course which gives you the opportunity to participate in different types of music performing and creating with a variety of musical styles and techniques. You will develop your skills in the key areas of Performing (both on your own and in a group) Listening; and Composing. You will give both solo performances and ensemble performances. You will compose your own pieces of music in a variety of styles. You will use music software to explore how sounds can be combined, developed and organised to create imaginative compositions. You will study a variety of topics within music and will learn how to analyse and write about what you hear.

What other activities will I take part in?

You will have the opportunity to have instrumental lessons in school if you are not already doing so and the opportunity to perform in a variety of musical ensembles outside of lesson time. You will be given opportunities to perform in public. Students studying music as an option subject have their instrumental lessons for one instrument funded by the trust and the academy employs peripatetic music teachers for coaching in voice and a wide range of instruments.

What equipment and materials must I bring?

If you are an instrumentalist there will be lessons when you are required to bring your instrument. Singers may sometimes need to bring backing tracks of pieces that they are working on.

Why will this course be useful to me?

If you are interested in a career in music, in the arts in general or if you simply feel you have the ability to do well in this examination, then BTEC Music should prove an exciting and enjoyable option.

WJEC Hospitality and Catering

What will I learn?

The hospitality and catering sector includes all businesses that provide food, beverages, and/or accommodation services. This includes restaurants, hotels, pubs and bars. It also includes airlines, tourist attractions, hospitals and sports venues; businesses where hospitality and catering is not their primary service but is increasingly important to their success. According to the British Hospitality Association, hospitality and catering is Britain's fourth largest industry and accounts for around 10% of the total workforce. Since 2010, over 25% of all new jobs have been within the hospitality and catering sector. Employment in hospitality and catering can range from waiting staff, receptionists and catering assistants to chefs, hotel and bar managers and food technologists in food manufacturing. All of these roles require further education and training either through apprenticeships or further and higher education.

This award is made up of two mandatory units:

- **Unit 1 The Hospitality and Catering Industry**
- **Unit 2 Hospitality and Catering in Action Learners must complete both units**

Unit 1: The Hospitality and Catering Industry Learners apply their learning by considering all aspects of the vocational sector. They should acquire knowledge of all aspects of the industry and be able to propose new hospitality and catering provision for specific locations. Learners will be able to use their learning of different types of establishment and job roles to determine the best option. They will then apply their learning in relation to front of house and kitchen operations to determine how the proposed hospitality and catering provision will operate efficiently, legally and financially whilst meeting the needs of their potential market. This unit provides a broad introduction to the vocational sector in a way that is purposeful and develops a range of transferable skills.

Unit 2: Hospitality and Catering in Action Learners apply their learning to safely prepare, cook and present nutritional dishes. They will draw on their learning of different types of provision and kitchen and front of house operations in Unit 1, as well as personal safety in their preparations. The content is relevant not only to employees within food production, but also those with a responsibility for food safety in the industry, nutritionists and managers and owners. This extends the learners appreciation of the whole vocational area beyond the kitchen environment.

GCSE Religious Studies

What will I learn?

You will cover topics such as:

- Why some people believe in a god when others don't;
- How and why people worship;
- The moral codes followed by faith believers;
- Matters of life and death – including beliefs about life after death, abortion and euthanasia;
- Marriage and family life;
- How the media is involved in religious/moral issues;
- Prejudice and discrimination;
- Festivals;
- Home life for the chosen religions.

How will I be assessed?

- For each section of study you sit a written exam.
- The exam includes short answers as well as longer explanations of a topic/issue.

How will a GCSE in Religious Studies help me in the future?

A course in Religious Studies is a stepping stone to a wide range of future opportunities. These include A Level Religious Studies, Sociology, etc. It prepares you to work and deal with people of different cultures and beliefs which can be very useful in careers such as the Police, the health-care professions and the Armed Forces. Most primary school teachers are required to teach Religious Studies to their classes.

GCSE Computer Science

What will I learn?

You will cover topics such as:

- How to act responsibly online to ensure that you and others stay safe online.
- How to identify the key programming constructs (sequence, selection, iteration) required to solve a problem.
- How to apply the key programming constructs (sequence, selection, iteration) to any programming language.
- How to work independently and part of a team to solve complex problems.
- Constructing reasoned arguments to ethical, social and moral problems that have arisen due to technology and communicate these in an effective way.
- How computers processes data, the architecture of a CPU (von Neumann) and the characteristics that affect the performance of computer systems
- The different types of computer system and how embedded systems are used in society
- Methods of storage within a computer system, including primary and secondary storage
- How to calculate storage requirements for a range of different types of file
- The suitability of different storage devices.
- Threats to network and system security and how to prevent/overcome these problems
- Ethical, cultural and environmental issues that have arisen due to technology
- Different legislation that relates to computers and technology
- The key programming constructs (sequence, selection and iteration) and how these can be written in a text based programming language

How will I be assessed?

The course is broken down into Two units, each with a written examination.

- *J277/01: Computer systems - Written paper: (1 hour and 30 minutes) 50% of total GCSE*
- *J277/02: Computational thinking, algorithms and programming - Written paper: (1 hour and 30 minutes) 50% of total GCSE*

How will a GCSE in Computer Science help me in the future?

Computer Science leads to a wide range of educational and professional pathways. From programming and website design to engineering database management there are thousands of careers that GCSE Computer science will enhance.

Please get in touch if you have any questions

Please email Leigh Marsh if you have any questions about this process @

l.marsh@freeston.outwood.com

Google Site for more information and video presentations from our Heads of Departments:

<https://sites.google.com/freeston.outwood.com/iag-process/home>