OPTIONS BOOKLET

Cabot Learning Federation

Bristol Brunel Academy

Ultimately we are:

Deeply committed to high standards and striving for excellence

Options Process

Making the right choices….

Our interactive school, options evening, 1:1 career appointment and this booklet have been prepared to help you chose the right combination of subjects for you to study at Key stage 4 (Years 10 and 11). The information contained in this and the options process will guide you in the right direction for your future career. Careers features heavily in this booklet so that you are aware of potential career opportunities.

The career guidance meetings and the options evening will allow you to fully understand the subject areas so that you make the right choices.

The choices that you make here need to right for you. Through listening to careers advice, teachers and parents your choices need to be those that you enjoy studying

Do

You will be studying these for two years. Choose subjects YOU want to do. Making that commitment is challenging, so making the choice that you will be happy with is important.

Do

Consider the subjects that you are good at.

Don't

Pick a subject just because your friends are or that you like a teacher, this may cause disappointment. Since it's not a guarantee that your friends will be with you in the same class, or you get taught by the teacher.

IT IS IMPORTANT THAT YOU GET IT RIGHT. IT IS NOT POSSIBLE TO SWAP COURSES ONCE YOU HAVE STARTED

Key Dates:

11th March Options evening: An evening that will provide further information about each subject as well as understanding the various pathways that can lead to a career choice.

25th March Options submission via 'Microsoft Forms': This will be an electronic submission. The links for 'Microsoft Forms' will be sent to the email address of each student.

Key points for picking your Options:

*****Please indicate your preference using Microsoft Forms this will be sent to each student's email*****

In addition to your option choices, you will be following all the following subjects:

- English Language
- English Literature
- Mathematics
- Combined/Separate Science ***
- Core Physical Education
- PSHE

*****Please note that some students will be guided to Separate (Triple) Science**

The EBacc is awarded to students that achieve grades 9-5 in five areas. The EBacc includes the following subjects:

- GCSE English
- GCSE Maths
- GCSE Science ***(combined or separate Science, Computer Science is also included)
- GCSE History or Geography
- GCSE Modern Foreign Language (French or Spanish)

The subjects in the EBacc ensure that those who study them have a broad curriculum for their future progression.

Important: Number your choices 1 – 6 in order of your preference below. You will be given 4 of your options

You **MUST** choose at least 2 subject in purple in your top 6

If you wish to study an EBacc pathway, you MUST choose a humanity (Geography, History) and MFL (French, Spanish).

Art
Vocational Business
Computer Science * *You must discuss this choice with the head of IT*
Performing Arts Drama
Engineering
Catering
Performing arts Dance
French
Geography
Health and Social Care
History
Music
Photography
Product Design
Textiles
Religious Studies
Spanish
Sport
Statistics * *You must discuss this choice with your maths teacher*

****It may not be possible to run an option if too few students choose it****

Bristol Brunel Academy

Art

What you will learn:

GCSE Art and Design covers a broad range of subjects, such as drawing, painting, ceramics, photography, printing and textiles. Drawing is an essential element of the course and therefore considerable time is allocated to developing observational skills.

You will learn how to develop, refine and record your ideas and how to present a personal response that realises your intentions. Through the effective, safe use and exploration of media, materials, techniques, processes and technologies you will develop your creative and analytical skills.

Any student choosing Art should be prepared to commit at least two hours a week completing homework.

The course is 60% coursework, whereby students develop a body of work based upon a theme set by their class teacher.
The exam is 40% and students select from several themes set the exam board (Eduqas).

While we can provide an extensive range of materials it is advisable that students opting for Art have access to their own supply of art materials, so that they can complete quality homework.

Sample of work that has been created

Career opportunities

Fashion design, Graphic design, Theatre designer, Animator, Video game designer, Illustrator, Museum curator, Photographer, Architecture, Product design, Textiles design, Ceramics, Advertising, Publishing, Interior design, Fashion and media journalism, Hair and make-up design, Retail design, Exhibition design, Jewellery design, Artist, Visual media, Teaching.

E.g. Animator bring drawings and computer-generated characters to life on screen

Annual Salary £14,000 - £36,000

Day to day tasks

Your day-to-day tasks will depend on the type of animation you're doing but may include:

- visualising storyboard and script ideas
- using animation software or hand drawn techniques to create characters and scenes
- adding lighting, shading and special effects
- painting in backgrounds and character colours
- adding textures to digital models
- using motion capture methods to create lifelike expressions and movements
- using stop-motion techniques to film 3D models
- combining separate layers of animation into one to create the final product

College

You could do a college course that will teach you some of the skills you'll need to get started as a junior animator.
Courses include:

- Level 3 Diploma in Creative and Digital Media
- Level 3 Diploma in Games, Animation and VFX Skills

Entry requirements

You'll usually need:

- 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, for a level 3 course

Career portal link for Further opportunities

https://nationalcareers.service.gov.uk/job-profiles/animator

Business

This is a vocational course requires considerable hard work and outstanding attendance, as assessment is constant and on-going throughout. You will be expected to complete unfinished or missed work at home using Teams Classroom.

What you will learn:

R064: Enterprise and Marketing Concepts (Written Exam – 50%)

You will use all of the knowledge that you have gained from Year 9 and 10 and will sit a 1½ hour examination. You will learn about marketing, promotion, branding, finance, business ownership. There will be a combination of multiple-choice questions, short answer and 1 extended answer question that you will need to answer

R065: Design a Business Proposal (Coursework – 25%) [10,000-word report]

For this unit you will develop the skills needed to design a business proposal to meet a specific business challenge. This will be you designing at Pizza for a specific customer. You will need to identify a customer profile, complete market research by asking friends and family members, this will help to generate product design ideas, that you will produce you will finally work out the cost of the product.

R066: Pitching your Product (Coursework- 25%) [10,000-word report]

For this unit, you will carry on working from your Pizza design, then finally present your Pizza proposal to an external audience. During this unit, you will develop the skills needed to create a brand identity and promotional plan for their specific business product proposal developed in the second topic.

Year 10 Christmas Market Challenge

There will be a number of opportunities for students to participate in enrichment opportunities across the two years of study. This includes, The Christmas Market and The £1 challenge.

Career opportunities

Business Studies GCSE can be useful for absolutely every job. Business Studies is particularly relevant if you want work in the Human Resources, Marketing and Finance department of either a small or large business. It is also relevant if you want to work as a manager, accountant, stock broker, recruitment consultant or be an entrepreneur and set up your own business.

e.g Digital marketer promote brands, products and services through social media, websites and apps

Annual salary £20,000 - £50,000

Day to day tasks

As a digital marketer, you'll look after different digital products. Your day-to-day tasks will include:

- working with clients and other marketing professionals
- updating and creating content that is search engine optimised (SEO)
- looking at website data to discover ways for improving and tracking the success and failure of campaigns
- writing and posting content with images on social media platforms
- drafting and publishing content for online campaigns
- producing content for e-newsletters and other forms of communication
- working with web designers to create images and video content for campaigns

You can get into this job through:

- a university course
- a college course
- an apprenticeship
- working towards this role
- specialist courses run by private training organisations

Entry requirements

You may need:

- 2 or more GCSEs at grades 9 to 3 (A* to D), or equivalent, for a level 2 course
- 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, for a level 3 course

Career portal link for Further opportunities

https://careerpilot.org.uk/job-sectors/subject/business-studies

Computer Science

What you will learn:

In GCSE Computer science you will learn about many aspects of computing. The course is designed to give you a broad experience of lots of different areas (System Architecture, Computer memory and storage, Networks and security, algorithms, programming techniques as ethical and legal issues).

Computer systems will allow you to understand the different hardware components and the software applications and the need for these.

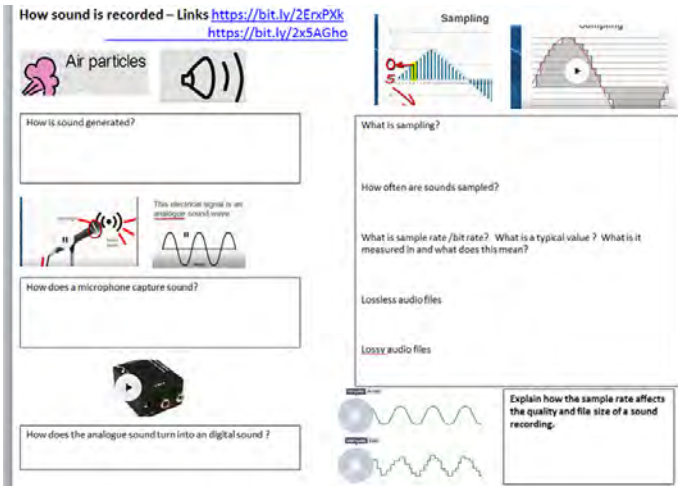
You will learn about types of networks, how they are used in the real world and the advantages and disadvantage of these, including aspects of cyber security and the internet.

Computational thinking will develop your problem-solving skills and you will get the opportunity to code solutions.

Data representation will give you an in depth of how computers process information such as text, images sound and video.

Assessment
This subject is 100% examination and you will sit two exams that are 90mins long

Sample of Work



Career opportunities

e.g Cyber intelligence officer
Cyber intelligence officers gather information about where threats to information technology systems come from and how they work

Annual salary £31,500 to £50,000

Day to day tasks

In this role you'll often be:

- identifying common weaknesses in IT networks
- using digital resources to gather information and evidence
- using computer forensics to identify attackers, their motivations and techniques
- analysing threats to major security systems
- monitoring new and evolving threats and assessing their potential impact
- keeping databases of threats and hackers
- producing threat assessment reports with recommendations for protective action
- developing relationships with other organisations to safely share security knowledge
- updating your skills and knowledge

Education needed

You can get into this job through:

- a university course
- an apprenticeship
- working towards this role
- a graduate training scheme

Entry requirements

You'll usually need:

- 4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a higher or degree apprenticeship

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/subject/computing

Bristol Brunel Academy

Performing arts—Dance

What you will learn:

This BTEC qualification has 3 Components:

Component 1 – Exploring the Performing Arts
Component 2 – Developing Skills and Techniques in the Performing Arts
Component 3 – Responding to a Brief

Component 1 – Exploring the Performing Arts (30%)

The first is a written unit called 'Exploring the Performing Arts' where you learn about the skills needed to be a dancer and study a variety of professional works. Students will develop an understanding of professional practitioner's work. Students will do a variety of workshops around creative intentions of work and choreography. Students will see a range of performance styles within this unit and keep a research log.

Component 2 – Developing Skills and Techniques in the Performing Arts (30%)

In the second unit 'Developing Skills and techniques in the Performing Arts' you recreate 3 pieces of professional repertoire, this is a practical unit. Students will develop their performance and interpretive skills and be asked to review their own progress along the way. Students can do solo or group work of at least 2 minutes.

Component 3 – Responding to a Brief (40%)

In your final unit 'Performing to a Brief' you have to prepare and perform a 15 minute group dance created from a stimulus that the exam board provide. This component is assessed by a written exam as well as a performance. Students are required to create original work, they may want to use existing work as a base and develop this to create a new piece. The assessment pieces are 4 exams. Three written pieces and one practical. Ideas / skills / practical / evaluation.

Coursework:

You will complete a total of three units, out of these two are internally assessed and completed in Year 10. 'Exploring the Performing Arts' and 'Developing Skills and Techniques in the Performing Arts' are worth 30% each of the final BTEC mark.

Examination:

The last unit 'Responding to a Brief' is completed in Year 11 in a 12 week timeframe. You will be continually assessed internally by your teacher as the course progresses.

Am I suited to Dance BTEC?

You must love to dance and be energetic and enthusiastic about the subject. You should be confident enough to dance in groups or on your own in front of the class/audience and remember you will be expected to wear **appropriate dance wear including costumes** decided by staff. **An important aspect to note about the course is that it is far more heavily weighted to theory than practical. Meaning there are a lot more theoretical components to the course than practical.**

You should have excellent attendance as the dances are all in groups and it is difficult if students are missing. You should enjoy performing as you will be in various shows throughout the year including in some situations being able to commit to extra curricular and some evenings. You should be able to meet deadlines and be happy to attend extra lunch and after school rehearsals as and when required. In addition you will need to be excited to **perform a wide range of dance styles from Jazz to contemporary.**

Career opportunities

Dancer/Choreographer/Dance teacher/Teacher/higher education lecturer/Dance teaching Musical theatre performer/Dance-, music- or drama- therapist/Theatre director/Theatre director/ Screenwriter/Actors/Arts administrator/Theatre stage manager.

Dancer: Use movement to perform for live audiences or in recorded performances

You'll specialise in a form of dance, like:

- classical ballet
- contemporary dance
- modern stage dance, like jazz, tap, and musical theatre
- African or Asian dance
- street dance

You can get into this job through:

- a university course
- a college course
- applying directly
- specialist courses run by private training organisations

University

You'll usually need a degree or diploma in professional dance or musical theatre. These take 2 to 3 years to complete and are offered by dance schools and universities.

Academic qualifications may not be essential if you show enough talent at audition.

You could get a Dance and Drama Award to help with fees and living costs.

Entry requirements

You'll usually need: 2 to 3 A levels, or equivalent, for a degree

- to pass an audition

College: There is no set entry route to become an dancer but it may be useful to do a relevant subject like:

- Level 2 Technical Certificate in Performing Arts
- Level 3 Extended Diploma in Performing Arts - Dance

You'll usually need:

- 2 or more GCSEs at grades 9 to 3 (A* to D), or equivalent, for a level 2 course
- 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, for a level 3 course

Career portal link for Further opportunities – Performing Arts

https://www.careerpilot.org.uk/job-sectors/education/job-profile/dance-teacher

https://www.onedanceuk.org/wp-content/uploads/2017/02/Careers-Guide-Digital-version.pdf

Bristol Brunel Academy

Drama

What you will learn:

Drama is a RSL vocational qualification, you will learn various skills that will not only build upon your ability to perform but will also teach you how to analyse a text and it's characters and reflect on the processes of your own work.

External Assessment: Live Performance:

Any aspiring professional performer will need to learn a variety of performance skills to perform in a way that will meet the expectations of their audience and also accurately represent them as performers. Performers need to think about the other performers, technical crew, performance, equipment, the expectations of the audience, quality and variety in the set and the practice and rehearsal schedule it takes to get to the final performance itself.

Internal Assessment: Performing Text:

Understanding exactly how dialogue / conversation works, how this is reflected in good dramatic writing and how an actor 'lifts' such speech 'off the page' is important not just for the performing world but for most of the wider world of work. We will have the opportunity to be really creative with out choices of text for you to perform based upon our understanding of your personalities and characters. You will work to inhibit and bring to life varied, interesting and challenging texts.

Sample of work:

Student example of analysis of the character of Pamela in 'The 39 Steps'

(1) As Pamela in this extract, I would use a stiff posture and closed body language like crossed arms to interpret Pamela as shy and guilty for not believing Hannay. I would have a slow gait as I took small steps around the room, showing how Pamela feels afraid to walk and talk because of her guilt towards Hannay.

(2) When saying the line, 'Then just as I was going, I – well, I discovered you'd been speaking the truth,' I would use small gestures with my hands and use close proxemics with Hannay to try to win his trust, interpreting Pamela as a character who seeks forgiveness. I would leave a pause at, 'I - well,' to show how Pamela is hesitant and nervous about admitting her true feelings. I would use a low volume and high pitch to indicate her anxiety, as well as speaking with clear diction and a received pronunciation accent to show Pamela's high status to match Hannay's by putting emphasis on the syllables of words.

(3) Later in the extract, I would have a higher volume as I say the lines, 'Well – ', 'yes –' and 'hmm,' but still keep the high pitch and slow pace to show how Pamela feels nervous and guilty. I interpret her character as proud and will show that in the way that I make her speak in an embarrassed tone due to her mistake of not believing Hannay. Myself and the actor playing Hannay would have close proxemics in order to have a romantic tension between the characters, amplified by the way I would stare at Hannay with wide eyes and hunched nervous shoulders. This would make Pamela appear to be apprehensive as I interpret her character to be unfamiliar with romantic activities.

Career opportunities

There are many job opportunities within the arts that don't necessarily have anything to do with performing. Recording engineer, Theatre technician, Costume/lighting/sound designer Playwright/Scriptwriter/Radio engineer and many more.

e.g. Sound engineer

Annual Salary £25,000 to 40,000

Day to day tasks

Your duties might also include:

- discussing the production's sound needs with the director or sound designer
- identifying places in the script where any sound effects, music and changes in sound level are needed
- pre-recording any sound effects and music
- positioning and rigging up microphones
- completing sound checks before a performance
- operating the sound desk during shows
- following a sound plan (known as a 'plot') and cues from the deputy stage manager
- looking after and repairing equipment
- unloading, setting up, dismantling and loading equipment at each venue when on tour

Entry requirements

You'll usually need:

- 1 or 2 A levels, or equivalent, for a foundation degree or higher national diploma
- 2 to 3 A levels, or equivalent, for a degree

College

Some sound engineers start by taking a college course to develop their skills before looking for work. Qualifications include:Level 2 Diploma in Sound and Music Technology; Level 3 Certificate in Technical Theatre:

- Sound, Light and Stage

You'll usually need:

- 2 or more GCSEs at grades 9 to 3 (A* to D), or equivalent, for a level 2 course
- 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, for a level 3 course

Career portal link for Further opportunities – Sound engineer

https://www.careerpilot.org.uk/job-sectors/media/job-profile/live-sound-engineer

Bristol Brunel Academy

Engineering

What you will learn:

The UK is regarded as a world leader in engineering, which covers a wide range of exciting and rapidly developing areas such as renewable energy, space, low carbon, aerospace, automotive, agri-food and bioscience. People with engineering skills are always in demand. Between 2010 and 2020, engineering companies are projected to have 2.74 million job openings.

We study the Pearson **BTEC** Level 1/Level 2 Tech Award in Engineering. It is for learners who want to acquire technical knowledge and technical skills through vocational contexts by studying mechanical, electrical/electronic and engineering design as part of their Key Stage 4 learning.

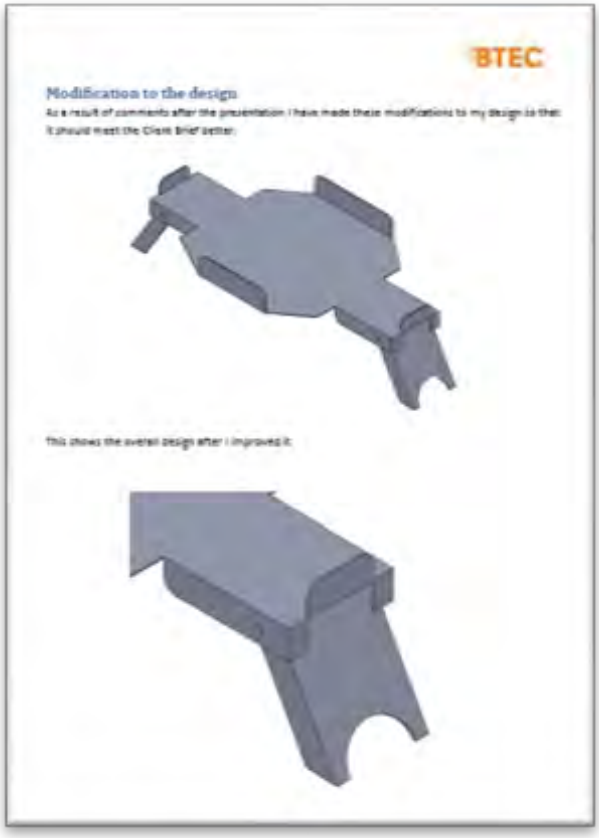
The qualification comprises of three components:

- Exploring Engineering Sectors and Design applications (internal assessment)
- Investigating an Engineering Project (internal assessment)
- Responding to an Engineering brief (External Exam)

Sample of work

Component 1 – Exploring Engineering Sectors and Design Applications:

A range of people with different skill sets work together during the production of electrical, electronic and mechanical engineered products, such as mobile phones and mountain bikes. In this component, you will develop knowledge and understanding of the engineering industry, the interconnections within engineering sectors, and how these are integrated to enable organisations to find solutions to real-life problems.



Career opportunities

e.g. Civil Engineer

Civil engineers design and manage construction projects from bridge and buildings to transport links and sports stadiums

Annual salary £24,000 - £80,000

Day to day tasks

Depending on your specialism, you could be:

- planning with the client
- analysing surveys, testing and mapping data using computer modelling software
- creating blueprints using computer aided design (CAD)
- judging if projects are worth doing by looking at costs, time and labour
- checking risks and the effects on the environment
- preparing bids for tenders, and reporting to clients and government agencies
- managing and checking progress at each stage
- making sure sites follow health and safety rules

University

You can do a foundation degree, higher national diploma or degree in civil engineering.
Many universities specialise in particular areas of civil engineering, like:

- structural engineering
- environmental engineering
- coastal engineering

Entry requirements

You'll usually need:

- 2 or 3 A levels, or equivalent, including maths and a science for a degree
- a degree in a relevant subject for postgraduate study

Apprenticeship

You could complete a civil engineer degree apprenticeship.

Entry requirements

You'll usually need:

- 4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a higher or degree apprenticeship

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/design-planning/job-profile/civil-engineer

Bristol Brunel Academy

English Language

What you will learn:

You will read, understand and respond to a range of literary texts, from Shakespeare and Dickens to modern plays and poetry.

Within your English Language course you will cover, amongst other skills:

Reading and responding to texts

Writing effective description

Writing to advise and inform

Summarisation skills

Analysis of the effects of language

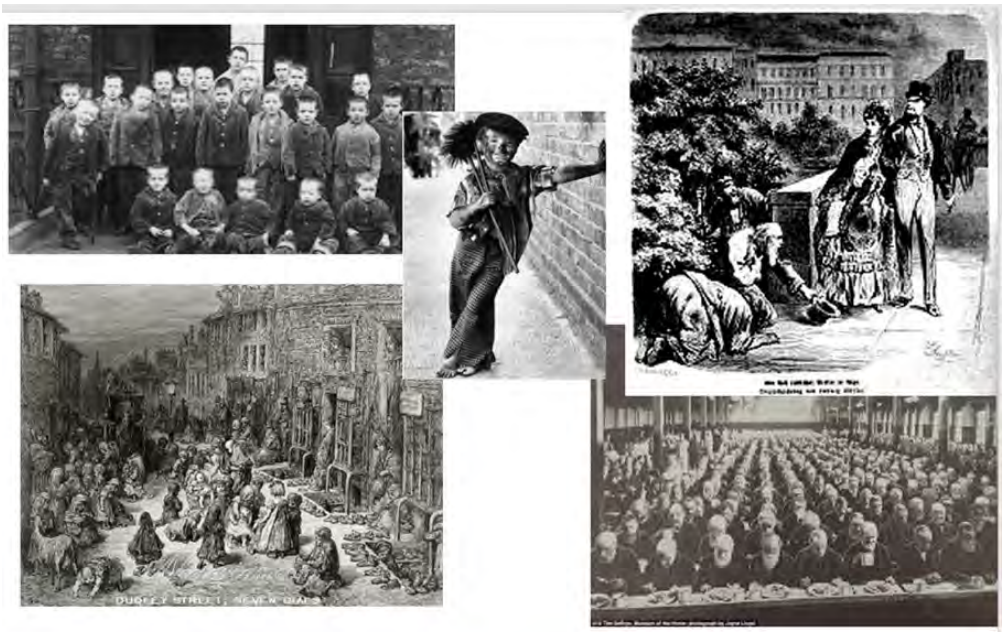
How you will be assessed:

Language Paper 1 (the fiction paper). A single exam with five questions; four reading questions, asking the student to analyse a piece of fiction. Question 5 is a creative writing task; student produces either a descriptive piece or a part of a story. Worth 50% of the GCSE

Language Paper 2 (the non-fiction paper). A single exam with five questions; four reading questions, asking the student to analyse a piece of non-fiction: a newspaper article, speech, diary, letter etc. Question 5 is a creative writing task where the student is asked to produce their own speech, letter etc. on a given topic. Worth 50% of the GCSE

Speaking and Listening Award – Student delivers a short presentation on their chosen topic to a teacher. An additional certification, not counted toward to the GCSE.

Sample of work



Task One: List any facts you can remember about life for the poor in Victorian England.

English Literature

What you will learn:

Reading and responding to range of texts: considering major themes within them, the writer's individual context and intentions, the writer's techniques, and our own personal responses.

We follow the AQA specification, which requires study of the following:

- 19th Century Text (*A Christmas Carol*)
- A Shakespeare play (*Macbeth*)
- A modern play (*Blood Brothers*)
- The 'Power and Conflict' cluster of poems
- Unseen poetry

How you will be assessed:

Literature Paper 1: A single closed-book exam (1 hr 45 mins). Students complete one essay on the 19th Century text, and one essay on their Shakespeare play. Worth 40% of the GCSE

Literature Paper 2: A single closed-book exam (2 hr 15 mins). Students complete one essay on the modern play, one comparative poetry essay, two questions on unseen poetry. Worth 60% of the GCSE

Career opportunities

Having strong communication and written English skills are top priorities in many job sectors; for example, within the worlds of media and publishing (see copywriter job below).

Some other careers that require strong English skills:

⇒ *Lawyer* *Publisher* *Civil servant/ policy maker* *Marketing/ advertising roles*
⇒ *Lecturing or teaching* *Teaching abroad*

An example career with an English degree:

Copywriter

Copywriters check text before it's published in books, journals and websites. An excellent job if you are good at spotting mistakes in your own or others work!

WORKING HOURS
37 to 39 a week. You may work evenings occasionally.
FUTURE EMPLOYMENT
Always in demand. There will be 5% more Copy editor jobs in 2024.

Education needed

You can get into this job through:

- a university course
- an apprenticeship
- working towards this role
- specialist training courses with professional bodies
- a graduate training scheme

University

Many copywriters have a degree. Most subjects are accepted.

A degree in publishing, media, English or a related subject may improve your chances of finding work.

To work in a specialist area, employers will prefer you to have a subject-related degree.

Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English
- 2 to 3 A levels, or equivalent, for a degree

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/subject/english#link-1

Bristol Brunel Academy

Food Preparation and Nutrition

What you will learn:

Studying Eduqas GCSE in Food Preparation and Nutrition will equip you with the knowledge, understanding and skills required to cook and apply the principles of food science, nutrition and healthy eating.

It will encourage you to cook and will enable you to make informed decisions about food and nutrition and will allow you to acquire knowledge and understanding required in order to be able to feed yourselves and others affordably and nutritiously, now and later in life.

Areas of study:

- Food commodities
- Principles of nutrition
- Diet and good health
- The science of food
- Where food comes from
- Cooking and food preparation

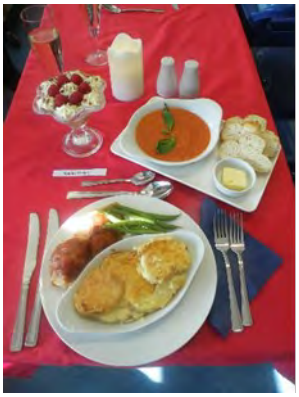
Assessment:

- Written examination 1 hour 45 minutes 50% of final grade.
- 2 X NEA coursework's worth 50%

Sample of work to trial AND/OR Pictures

NEA 1- Food science investigation

NEA2 Products



Career opportunities

There are the more obvious ones like becoming a professional cook or chef, Other careers train to become a Dietitian, Personal trainer or Lifestyle Coach and Events organiser.

e.g. Dietitian diagnose and treat people with nutrition problems, and help people make healthy lifestyle and dietary decisions

Annual Salary £24,907 - £37,890

Day to day tasks
In a hospital, you could:

- specialise in an area like children's health, renal dietetics or cancer care
- run clinics for people with diabetes or eating disorders, like anorexia or bulimia
- work with catering services to create menus for patients with a range of dietary needs
- In the community, you may:
- raise awareness of the importance of healthy eating
- run health promotion workshops
- advise people who lack confidence, are experiencing mental ill health, or are on a low income

You can get into this job through:

- a university course
- an apprenticeship
- working towards this role

University

You'll need a degree or postgraduate qualification in dietetics or human nutrition, accredited by the **British Dietetic Association.**
You may be able to take a postgraduate course if you already have a degree with an acceptable level of human physiology and biochemistry.

Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English, maths and science
- 2 or 3 A levels, or equivalent, including biology or chemistry
- a degree in a relevant subject for postgraduate study

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/medical/job-profile/dietitian

Bristol Brunel Academy

French

What you will learn:

In GCSE French, you will learn the following topics:

Theme 1 - Identity and culture covering family, friends, technology, free-time, customs and festivals

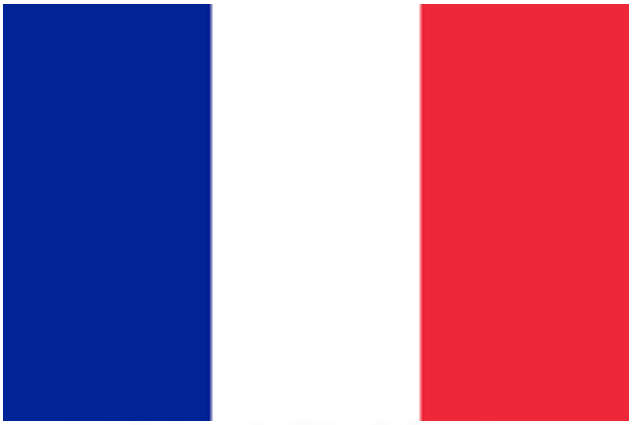
Theme 2 - Local, national, international and global areas of interest covering home, town, environment, travel and tourism.

Theme 3 - Current and future study and employment covering life at school and college, jobs, career choices and ambitions.

For each topic there will be a focus on listening, speaking, reading, writing and translation skills

Assessment:

There are 4 exams equally weighted 25% each. Listening, reading, writing and speaking.



Sample of work

1 J'habite dans le sud-est, près des montagnes, dans la troisième plus grande ville de la France.
2 C'est une grande ville célèbre pour le vin dans le sud-ouest, au bord de la mer.
3 Nous habitons dans le nord de la France, près de la Belgique.
4 C'est une ville qui se trouve en Bretagne, dans le nord-ouest.
5 Je vis dans le centre du pays, à l'ouest de Lyon.
6 Mon frère habite dans le nord-est, dans une ville au sud-est de Lille.
7 Dans le sud-est de la France, il y a une grande ville où on joue au foot.
8 C'est dans le sud-ouest, au sud de Bordeaux.

Career opportunities

France the fifth biggest economy and top three locations for foreign investments, learning French opens doors to French companies in not only France, but other French-speaking parts of the world such as Canada, Switzerland, Belgium and parts of North Africa.

Translator/interpreter
Translators and interpreters are fluent in at least two languages. Translators convert recorded or written materials into another language whereas interpreters do the same with live conversations, helping people who don't share a language to understand one other.

Translators and interpreters are needed everywhere, from politics to business, healthcare, media and careers in social services.

Annual salary from £18,000 - £40,000

Education needed

You can get into this job through:

- a university course
- applying directly
- a qualification with a professional body

University

Translators and interpreters usually need a degree or postgraduate qualification in translation.
Relevant degrees include:

- languages – courses which specialise in linguistics or translation may give you an advantage but are not essential
- combined degrees which include a subject like law or science with languages

You could also do a postgraduate course like a master's in translation or translation studies

Entry requirements

You'll usually need:

- 2 to 3 A levels, or equivalent, for a degree
- a degree in a relevant subject for postgraduate study

The **Institute of Translation and Interpreting** also has details of organisations offering training in translation.

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/wellbeing/job-profile/translator

Bristol Brunel Academy

Geography

What you will learn:

You will study a range of human and physical geography units which are assessed in **3 exams** at the end of year 11. We follow the GCSE **AQA specification.**

These units are:

Paper one – Living with the Physical Environment

- **Section A –** The Challenge of Natural Hazards
- **Section B –** The Living World
- **Section C –** Physical Landscapes in the UK

Paper Two – Challenges in the Human Environment

- **Section A –** Urban Issues and Challenges
- **Section B –** The Changing Economic World

Section C – The Challenge of Resource Management

Paper Three – Geographical Applications

- **Section A –** Issue evaluation
- **Section B –** Fieldwork

There is no coursework – **HOWEVER,** you do need to go on two trips:

Trip one – *Physical geography* – Investigating how rivers change downstream from Hazel Brook by Blaise Castle to Sea Mills

Trip Two – *Human Geography* – How has Bristol Harbourside changed?

Sample of work to trial AND/OR Pictures

- Why do people choose to live at risk from natural hazards?
- How do the effects and responses to natural hazards vary between countries of varying wealth?

- How does geological structure and rock type influence coastal landforms?
- How can we save our coastlines and coastal communities from the impact of coastal erosion and flooding?

- How has urban growth created opportunities and challenges for those living in LICs or NEE's?
- How is urban planning improving the quality of life for the urban poor?

- Which strategies are there to help us to reduce the global development gap?
- How can tourism help reduce the development gap?

- Which areas in the world are in areas of food surplus (security) and which are in food deficit (insecurity)?
- What is the impact of food insecurity?

- Why are our tropical
- rainforests under threat?
- What are the impacts
- of deforestation?
- How can we sustainably manage our tropical rainforests?

Career opportunities

e.g. Geoscientist

Geoscientist study the Earth's structure and formation, and analyse rocks to explore its natural mineral and energy resources.

Annual salary £22,000 - £75,000

Day to day tasks

Your day-to-day duties may include:

- assessing the ground for building suitability on engineering projects like dam or tunnel building
- advising on suitable sites for landfill or storage of nuclear waste
- searching for energy resources and minerals, like gas and oil
- designing projects to search for new water supplies
- studying volcanic and seismic activity to develop early warning systems for communities living close to earthquake zones

University

To work as a professional geoscientist you'll need a degree in a relevant subject. Courses often combine theory with fieldwork and practical training. Degree subjects include:

- geology
- geoscience
- geophysics
- Earth science

It's becoming more common for new entrants to hold or be working towards postgraduate qualifications like an MSc or PhD.

Integrated postgraduate master's qualifications like a MGeol or MSci can be studied at university. These courses include more independent research and are designed to lead directly onto further study like a PhD.

Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English, maths and science
- 2 or 3 A levels, or equivalent, including a science, for a degree
- a degree in a relevant subject for postgraduate study

Career portal link for Further opportunities - Geography

https://www.careerpilot.org.uk/job-sectors/science/job-profile/geoscientist

Health & Social Care

What you will learn:

This BTEC qualification has 3 Components:

Component 1 – Human Lifespan Development

Component 2 – Health and Social Care Services and Values

Component 3 – Health and wellbeing

Sample of what you will study:

Component 1 – Human Lifespan Development (30%)

In this component you will learn about how we grow and develop over our lifetime. We will investigate different life events and how they can impact individuals.

You will be assessed by **two** written assignments :

Assignment A will investigate a celebrity and how they have grown and developed. You will investigate factors that have impacted this individual

Assignment B will investigate how two individual deal with a life event

Component 2 – Health and Social Care Services and Values (30%)

In this component you will learn about the different types of health and social care services. You will learn about some of the barriers to these services and will demonstrate care values.

You will be assessed by **two** written assignments:

Assignment A will research the different types of care services and barriers to these services for two individuals with health and social needs.

Assignment B you will demonstrate and review your own practice of care values.

Component 3 – Health and wellbeing (40%)

In this component you will learn about all the factors that may affect and individual's health and wellbeing. You will learn how to interpret health indicators and write improvement plans to help individual improve their health and wellbeing.

This component is assessed by a written exam

Career opportunities

E.g. Nurse

Nurses care for adults who are sick, injured or have physical disabilities.

Annual salary: £24,907 to 37,3890

Working hours: 37-42 hours (variable). This may include evenings, weekends and bank holidays.

There will be 6% more nurse jobs in 2024.

Education needed

You can get into this job through:

- a higher education/degree level course
- an apprenticeship – vocational qualification

Entry requirements

You'll need:

- GCSEs in English, maths and science will help get you into this sector.
- A minimum of 5 **GCSEs** at grade C or above to include English, maths, and a science (biology / human biology) 2 A-levels or equivalent level 3 **qualifications**
- Entry requirements for nursing degree courses vary because each university sets its own entry criteria, but you are likely to need at least two (usually three) A-levels or equivalent qualifications at level 3, plus supporting GCSEs including English, maths and a science (usually biology or human biology). Contact universities directly to find out whether qualifications equivalent to A-levels or GCSEs are acceptable.
- Courses often specify preferred or essential A-level or equivalent subjects, such as one science (for example biology) or social science (for example psychology). Some universities offer courses with a foundation year for those without the necessary entry qualifications.

Career portal link for Further opportunities - Medical

https://www.careerpilot.org.uk/job-sectors/medical/job-profiles

https://www.healthcareers.nhs.uk/

History

What you will learn:

You will study **4 units** which are assessed in **3 exams** at the end of year 11.

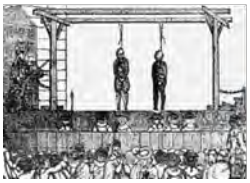
The units are:

Crime and Punishment through time
Early Elizabethan England
Superpower relations in the Cold War
The USA, 1954–75: conflict at home and abroad (Civil Rights and the Vietnam War)

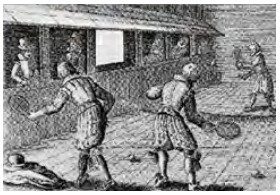
There is no coursework.

We follow the GCSE **Edexcel** course.

Sample of work



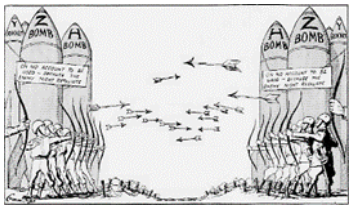
- When and why was the death penalty abolished?
- Why did we introduce a police force?
- What have been the changes to crime through history?



- Why did Elizabeth face so many problems?
- How did she survive the attacks against her?
- What was it like in Elizabethan England?

- How did people protest for their Civil |Rights in America?
- How and why did America become involved in the Vietnam War?
- Why was there

- How did the Cold War begin?
- What was the significance of a wall dividing Berlin?



Career opportunities

e.g. Archivist

Archivists looks after and preserve collections of historical records and documents

Annual salary £20,000 – 60,000

Day to day tasks

In this role you could be:

- storing materials correctly and keeping them in good condition
- identifying, dating, cataloguing and indexing archive materials
- helping people use the archives
- making records available to users in formats such as photocopies, microfiche and online
- carrying out research
- giving talks and organising presentations, displays and exhibitions
- negotiating the buying or donation of archive material

University

You'll need a degree and postgraduate training to do this job. Most degree subjects are accepted, but you may find it useful to take a degree like:

- history
- information science
- law
- Languages

After you complete a degree, you'll do a postgraduate qualification in archives or records management recognised by the Archives & Records Association (ARA).
You'll usually need some relevant work experience to apply for a postgraduate course. This is a great way of finding out if a career as an archivist is for you.

Entry requirements

You'll usually need:

- 2 to 3 A levels, or equivalent, for a degree
- a degree in any subject for a postgraduate course

Career portal link for Further opportunities – Archivist

https://www.careerpilot.org.uk/job-sectors/government/job-profile/archivist

Bristol Brunel Academy

Maths

What you will learn:

You will continue you studying maths in line with the national curriculum, which you have been doing since you started school.

The maths curriculum is categorised into these content areas:

- Number
- Algebra
- Ratio and proportion
- Shape, space and measure
- Probability
- Statistics and data handling

These are used interchangeably and many maths questions require use of multiple areas.

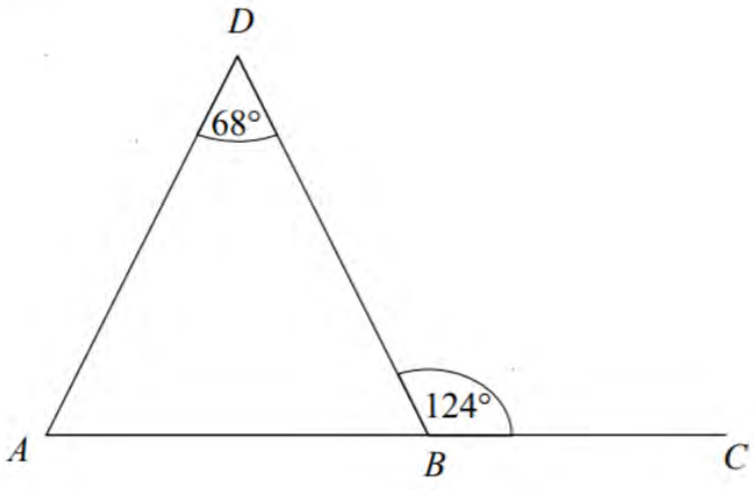
Maths questions are categorised according to the following assessment objectives

- Fluency
- Reasoning
- Problem solving

Maths is examined at the end of year 11 via three ninety-minute, eighty-mark exams. Students are entered on either the higher (grades 3-9) or foundation (grades 1-5) based on where they are most likely to be successful. This decision is finalised late in year 11.

Sample of work to trial AND/OR Pictures

ABC is a straight line.



Show that ABD is an isosceles triangle

Solve $24 = 4(2x - 5)$

Career opportunities

One of many positions with a Maths qualification includes an Economist.
An Economist advise government departments, businesses, banks and other organisations about the economy.
Annual Salary £25,000 - £80,000 with a UK average of £30,378 in 2019 and there is a growth of 4% in this area by 2025.

Day to day tasks

Your work will vary depending on whether you're advising the government or business sector, but your day-to-day duties might include:

- researching information from computer databases, websites, journals and newspapers
- monitoring past and present economic issues and trends
- creating mathematical models to predict future economic developments
- analysing statistics
- writing reports and presenting findings
- examining the effectiveness of current policies
- advising on the potential economic impact of policies and ideas

You can get into this job through:

- a university course
- an apprenticeship
- working towards this role
- a graduate training scheme

Entry requirements

You'll usually need:

- 2 or 3 A levels, or equivalent, including maths or economics
- a degree in a relevant subject for postgraduate study

You'll usually need:

- 4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a degree apprenticeship

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/finance-accounting/job-profile/economist

Bristol Brunel Academy

Music

What you will learn:

This is a vocational qualification called RSL Music Practitioners . In this subject you will develop your Musical Knowledge, analysing music , using accurate vocabulary and exploring the context it was created in. You will the select optional units depending on your musical interests:

- Performing - managing rehearsals and showcasing your work. To develop skills and confidence to perform music live or producing music using IT.
- Composing - creating a folio of your own musical creations. To develop the skills to compose music in any style of your choice.
- Sound Recording - using technology to record musicians and produce a final mix.

You then complete 2 assignments in your chosen area. Projects will involve you working independently and also showing that you can work with others.

There is no written examination. All of the units are assessed on work completed in class.

Sample project – working as a musical ensemble

Plan

Work together with a group of other musicians and technicians to plan a performance for a school concert.

Rehearse

Spend time in class rehearsing your music, developing your communication as a group and your skills as a performer.

Perform

Perform your work to an audience at one of our concerts.

Evaluate

Summarise the strengths and areas of development of your work.

Career opportunities

Composer / session musician / performer / producer / sound engineer / music journalist / school teacher / instrumental teacher / workshop leader / outreach worker

Careers in Music vary considerably! Some jobs involve a contract with guaranteed work and income whereas others (like session musician and composer) will be much more ad-hoc in terms of work, hours and pay. Some of these jobs are very well paid and highly competitive as a result!

Education needed

You can get into jobs in music through:

- a university course
- Experience of performing and composing
- Building an online or local following
- Specialist training courses with professional bodies

University

Music is offered as a course at many universities and specialist colleges. It is worth considering a joint honours degree (music with another subject) to keep your options of employment more open!

Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4, or equivalent, including English
- 3 A levels, or equivalent, for a degree

Work

It’s easier than ever before to build a musical presence and generate interest in your work with minimal financial cost. Get out and get yourself known through gigs and events. Put some of your work on social media, say yes to performance opportunities, start building a bank of your compositions and performances.

Other routes

Bristol is a great city for the arts. If A Levels aren’t for you, there are several further education establishments that offer vocational music and arts courses, often working in conjunction with people in the music industry.

Career portal link for Further opportunities - Music

https://www.careerpilot.org.uk/job-sectors/subject/music

Bristol Brunel Academy

Photography

Photography is a specialist subject within Art and Design. Students are taught how to take quality photos and use editing software such as Photoshop. A considerable amount of lesson time is spent on computers.

What you will learn:

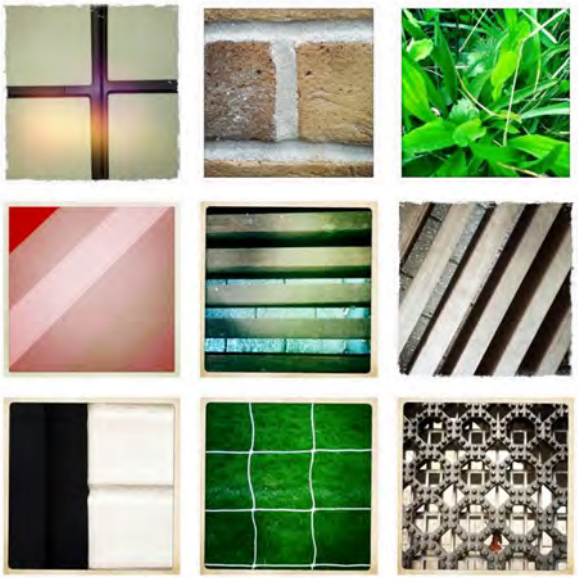
- The formal elements of Art and Photography.
- How to use a DSLR camera and how to change the settings to create different effects.
- How to edit photographs using a range of different manual and digital techniques, including Photoshop.
- How to understand visual information and analyse the work of other artists and photographers.
- How to record and develop your own ideas.
- How to organise and present your work.

Assessment:

The course is comprised of 60% coursework, whereby students develop a body of work based upon a theme set by their class teacher.
The exam is 40% and students select from several themes set the exam board (

Any student choosing either course should be prepared to commit at least two hours a week completing homework.

Photo Safari – Walk around the school and try and capture photographs that look like the drawings below.



Year 11 Student exploring the negative effects of social media

Career opportunities

e.g. Photographer, take and process pictures of people, places, products and events
Annual Salary £17,250 to 45,000

Day to day tasks

Your daily tasks may include:

- discussing a project with the client and agreeing the 'brief'
- finding and preparing the location for the photo session
- choosing the right equipment and setting up lighting
- composing and taking photos
- using industry software to edit and process images
- checking accurate colour match and image quality
- choosing the best images for the client to use online or in print

promoting and running your business

You can get into this job through:

- a university course
- a college course
- an apprenticeship

Entry requirements

You'll usually need:

- 1 or 2 A levels, or equivalent, for a foundation degree or higher national diploma

2 to 3 A levels, or equivalent, for a degree

Entry requirements

You'll usually need:

4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English, maths and a creative subject

For more information:

https://www.careerpilot.org.uk/job-sectors/arts-crafts/job-profile/photographer

Product Design

What you will learn:

This amazing subject allows you to be extremely creative, practical and solve a range of problems that relate to the real world. GCSE Product Design covers all aspects of the design and manufacturing process, looking at a wide variety of materials, their properties and aspects of why they are used. You will produce a colourful, informative and eye-catching portfolio and a final, fully functional product which can be manufactured using a range of materials including wood, metal, plastic, fabric and smart materials. This popular subject enables you to build on both your design and manufacturing skills and can open a lot of doors for your future.



Sample of work

Portfolio work:

Practical work:



Career opportunities

e.g. Product designer
Product designer create new products and improve existing ones

Annual Salary £19,000 to 50,000

Day to day tasks

- In your day-to-day duties you could:
- discuss what your client wants
- investigate how existing products work or how services are used
- develop ideas and make initial sketches or outline plans
- decide on suitable materials or resources
- use computer design software to produce detailed blueprints
- make samples or working models, known as prototypes
- test and refine designs

You can get into this job through:

- a university course
- an apprenticeship

University

- design
- product design
- industrial product design
- Engineering

Entry requirements

You'll usually need:

- 1 or 2 A levels, or equivalent, for a foundation degree or higher national diploma
- 2 to 3 A levels, or equivalent, for a degree

You'll usually need:

- 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths, for an advanced apprenticeship
- 4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a degree apprenticeship

Career portal link for Further opportunities -

https://www.careerpilot.org.uk/job-sectors/design/job-profile/product-designer

Bristol Brunel Academy

Textiles

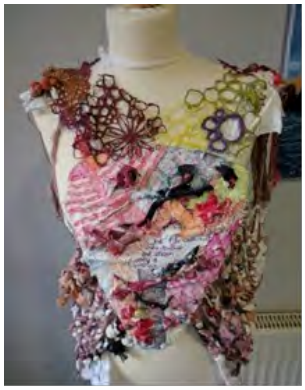
What you will learn:

This amazing subject allows you to be extremely creative, practical and solve a range of problems that relate to the real world. GCSE Textiles cover all aspects of the design and manufacturing process, looking at a wide variety of materials, their properties and aspects of why they are used. You will produce a colourful, informative and eye-catching portfolio and a final, fully functional product which can be manufactured using a range of materials including fabric, wood, plastic, metal and smart materials. This popular subject enables you to build on both your design and manufacturing skills and can open a lot of doors for your future.

Sample of work to trial AND/OR Pictures

Portfolio work:

Practical work:



Career opportunities

e.g. Technical textiles designer: Create and test textiles for the use in healthcare, manufacturing and construction materials.
Annual salary £16,000 to £35,000

Working 40 to 42 hours a week usually 9am – 5pm

Day to day tasks
Your day-to-day duties may include:

- developing ideas for products that meet certain performance standards
- identifying the suitability and availability of materials
- creating designs using computer software
- developing prototypes
- assessing the technical performance of textiles
- recording and interpreting test results
- writing technical reports and estimating costs
- researching new development methods and technologies

University

You can do a degree or postgraduate qualification in:

- textile design
- materials science
- textile technology
- product design

It's important that you check courses cover the technical skills and knowledge employers want, rather than ones that concentrate only on fashion design.

Entry requirements

You'll usually need:

- 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English, maths and science
- 2 to 3 A levels, or equivalent, for a degree
- a degree in a relevant subject for postgraduate study

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/search?q=textiles

Bristol Brunel Academy

Religious Studies

What you will learn:

You will study 6 units which will be assessed in 3 exams at the end of Year 11.

The GCSE units are:

- Issues of Good and Evil
- Issues of Human Rights
- Issues of Relationships
- Issues of Life and Death
- Christian beliefs and practices (short, built on learning at KS3)
- Muslim beliefs and practices (short, built on learning at KS3)

There is no coursework.
We follow the **Eduqas GCSE Route A** course.

Sample of work

Why should humans have rights?

Does sexuality matter?

Does gender matter?

Should abortion be allowed?

Is human life sacred?

What happens when we die?

Can science and religion both be right?

What makes an action wrong or right?

Do we have free will?

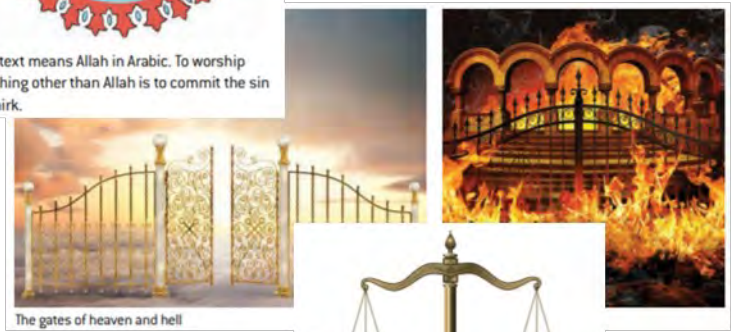
If God exists, why is there suffering in the world?

Does God exist?

Why is there suffering in the world?

The Big Bang is the idea that about 13,700 million years ago all the matter in the universe was concentrated at a single point. A huge explosion – a Big Bang – sent this spiralling outwards, eventually creating the universe as we know it today. Scientists believe they have found evidence for the Big Bang, including that the universe is still expanding due to the force of the explosion and that the energy from the explosion can still be detected.

This text means Allah in Arabic. To worship anything other than Allah is to commit the sin of shirk.



The gates of heaven and hell

Muslim believe that God will weigh up our good and bad deeds and this will determine what happens to us after death

Career opportunities

e.g. Religious leader

Religious or faith leaders offer spiritual and moral guidance, and lead public worship and other religious ceremonies.

Annual salary – Variable average UK 2019 was £30,386

Day to day tasks

- Your day-to-day duties will depend on your faith, but may include:
- praying and studying your religion
- encouraging commitment to the faith
- leading regular religious services or ceremonies
- conducting services and ceremonies for religious festivals, holy days and events such as births, marriages and deaths
- explaining the meaning of your faith's teachings
- educating people who are converting to your faith
- supporting people at difficult times in their lives
- representing your faith within the community
- being a role model for your followers
- meeting representatives of other faiths and communities
- fundraising and doing admin

University

You may need a degree or postgraduate award for some leadership positions. Most subjects are accepted though theology and philosophy may be particularly useful.

Entry requirements

You'll usually need:

- 2 to 3 A levels, or equivalent, for a degree
- a degree in any subject for a postgraduate course

Each religion has a different way of training its leaders, so the training and the length of time it takes will vary.

Career portal link for Further opportunities – Religious leader

https://www.careerpilot.org.uk/job-sectors/wellbeing/job-profile/religious-leader

Separate Science

Separate Science is a course that we provide for students who are excelling in science. The lessons are delivered at a faster pace, there is extra content in biology, chemistry and physics, it really helps to bridge the gap between GCSE and A Levels and students are awarded three science GCSEs opposed to two. Due to the demands of the course, there is an entrance exam to identify whether a student would be suitable for the course. Students start to study the separate science GCSE content from the start of Y10. Science allows us to understand the world around us, improve our practical skills, learn how to critically analyse data, build an inquisitive mind and write in a clear and concise fashion.

Assessment:

- 100% of the marks available for Separate Science are from summer exams at the end of Y11
- There are six exams (two biology exams, two chemistry exams and two physics exams)
- Each exam is 1h45 in duration
- At the end of Y11, each student is awarded three GCSEs. GCSE Biology, GCSE Chemistry and GCSE Physics

The six topics are B1, C1, P1, B2, C2 and P2.

- B1 – Key concepts in biology, cells & control, genetics, natural selection and health & disease
- C1 – Key concepts in chemistry, states of matter, chemical changes, extracting metals and separate chemistry 1
- P1 – Motion, forces & conservation of energy, waves & the electromagnetic spectrum and radioactivity & astronomy
- B2 – Plant structures & their functions, animal coordination & homeostasis, exchange & transport in animals and ecosystems & material cycles
- C2 – Groups in the periodic table, rates of reaction & energy changes, fuels & earth science and separate chemistry 2
- P2 – Forces & energy, electricity & circuits, electric & magnetic fields and matter

Core Practicals:

Practical work is an essential part of science. Throughout the course, students have the opportunity to complete a range of Core Practical activities and improve their scientific investigation skills in biology, chemistry and physics. Here are some images of just a few core practicals that are specific to the separate science course.

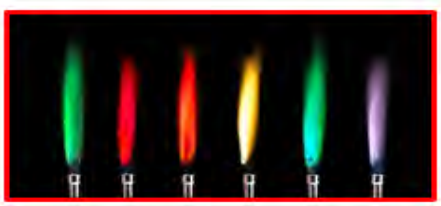
BIOLOGY

Food Tests

Microbial Culture

CHEMISTRY

Titration



Identifying ions

PHYSICS

Investigating thermal energy

Career opportunities

There are thousands of different careers available in science. Some of these include: astronomer, botanist, chemical engineer, chemist, climate scientist, doctor, ecologist, food scientist, forensic scientist, geneticist, geoscientist, laboratory technician, meteorologist, midwife, nuclear engineer, nurse, pharmacologist, research scientist, science teacher, sports scientist, vet and zoologist.

Example job: General Practitioner, Doctor
Average salary: £58,808-£88,744

In this role could include:

- speak to patients face to face, on the phone or online
- diagnose patients' symptoms
- prescribe medicines or recommend treatments
- carry out minor surgery
- give general health advice
- refer patients to specialist consultants for tests and further diagnosis
- work with other healthcare professionals in your practice
- make improvements to healthcare by doing research
- organise and lead clinics for specific groups of patients or medical conditions
- help to train junior doctors and other healthcare professionals

You can get into this job through:
- a 5-year degree in medicine, recognised by the General Medical Council
- a 2-year foundation course of general training
- a 3-year specialist training course in general practice

Normal entry requirements:
- at least 5 GCSEs grades 9 to 7 (A* or A), including English maths and sciences
- 3 A levels, or equivalent, including biology and chemistry

Education needed

Here are the most common science-related post 16 opportunities and entry grades:

- A Level Biology (grade 6 entry)
- A Level Chemistry (grade 6 entry)
- A Level Physics (grade 6 entry)
- L3 BTEC Applied Science (grade 5 entry)
- L3 BTEC Applied Biology (grade 5 entry)

Career portal link for Further opportunities

https://nationalcareers.service.gov.uk/job-categories/science-and-research

Combined Science

What you will learn:

Science is a core subject at GCSE. Each student studies the science GCSE content for 3 years (from Y9-Y11). Science allows us to understand the world around us, improve our practical skills, learn how to critically analyse data and information, build an inquisitive mind and write in a clear and concise fashion.

Assessment:

- 100% of the marks available for Combined Science are from summer exams at the end of Y11.
- There are six exams (two biology exams, two chemistry exams and two physics exams)
- Each exam is 1h10 in duration
- Students are selected to sit foundation tier or higher tier exam papers
- At the end of Y11, each student is awarded two GCSEs for combined science

What you will learn:

The six topics are B1, C1, P1, B2, C2 and P2.

- **B1** – Key concepts in biology, cells & control, genetics, natural selection and health & disease
- **C1** – Key concepts in chemistry, states of matter, chemical changes and extracting metals
- **P1** – Motion, forces & conservation of energy, waves & the electromagnetic spectrum and radioactivity
- **B2** – Plant structures & their functions, animal coordination & homeostasis, exchange & transport in animals and ecosystems & material cycles
- **C2** – Groups in the periodic table, rates of reaction & energy changes and fuels & earth science
- **P2** – Forces & energy, electricity & circuits, magnetic fields and matter

Core Practicals:

Practical work is an essential part of science. Throughout the course, students have the opportunity to complete a range of Core Practical activities and improve their scientific investigation skills in biology, chemistry and physics. Here are some images of just a few core practicals within the GCSE course.

Career opportunities

There are thousands of different careers available in science. Some of these include: astronomer, botanist, chemical engineer, chemist, climate scientist, doctor, ecologist, food scientist, forensic scientist, geneticist, geoscientist, laboratory technician, meteorologist, midwife, nuclear engineer, nurse, pharmacologist, research scientist, science teacher, sports scientist, vet and zoologist.

Example job: Forensic Scientist

Average salary: £20,000-£45,000

In this role you could be:

- blood grouping and DNA profiling
- analysing fluid and tissue samples for traces of drugs and poisons
- examining splash patterns and the distribution of particles
- analysing handwriting, signatures, ink and paper
- providing expert advice on explosives, firearms and ballistics
- researching and developing new technologies
- recovering data from computers, mobile phones and other electronic equipment
- attending crime scenes, like a murder or fire
- giving impartial, scientific evidence in court

You can get into this job through:
- a university course
- an apprenticeship
- applying directly

You can do a degree or postgraduate qualification in:
- forensic science
- a related subject like chemistry, biological science, physics or medical sciences

Normal entry requirements:
- 2 or 3 A levels, or equivalent, including chemistry
- a degree in a relevant subject for postgraduate study

Education needed

Here are the most common science-related post 16 opportunities and entry grades:

- A Level Biology (grade 6 entry)
- A Level Chemistry (grade 6 entry)
- A Level Physics (grade 6 entry)
- L3 BTEC Applied Science (grade 5 entry)
- L3 BTEC Applied Biology (grade 5 entry)

Career portal link for Further opportunities

https://nationalcareers.service.gov.uk/job-categories/science-and-research

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Spanish

What you will learn:

In GCSE Spanish, you will learn the following topics:

Theme 1 - Identity and culture covering family, friends, technology, free-time, customs and festivals

Theme 2 - Local, national, international and global areas of interest covering home, town, environment, travel and tourism.

Theme 3 - Current and future study and employment covering life at school and college, jobs, career choices and ambitions.

For each topic there will be a focus on listening, speaking, reading, writing and translation skills

Assessment:
There are 4 exams equally weighted 25% each. Listening, reading, writing and speaking.

Sample of work

Placing emphasis on speaking and listening

🎧 Listen to four friends ordering food from the menu on the right. Complete the grid. Include what they order to drink.

	Starter	Main	Dessert
Ana			
Bea			
César			
David			

Career opportunities

Spanish is seen as one of the top three most spoken languages in the world and knowing Spanish will help you reach over 500+ million people globally.

Translator/interpreter
Translators and interpreters are fluent in at least two languages. Translators convert recorded or written materials into another language whereas interpreters do the same with live conversations, helping people who don't share a language to understand one other.

Translators and interpreters are needed everywhere, from politics to business, healthcare, media and careers in social services.

Annual salary £18,000 - £40,000

Education needed

You can get into this job through:

- a university course
- applying directly
- a qualification with a professional body

University

Translators and interpreters usually need a degree or postgraduate qualification in translation.
Relevant degrees include:

- languages – courses which specialise in linguistics or translation may give you an advantage but are not essential
- combined degrees which include a subject like law or science with languages

You could also do a postgraduate course like a master's in translation or translation studies

Entry requirements

You'll usually need:

- 2 to 3 A levels, or equivalent, for a degree
- a degree in a relevant subject for postgraduate study

The **Institute of Translation and Interpreting** also has details of organisations offering training in translation.

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/wellbeing/job-profile/translator

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Sport Science

What you will learn:

You will study four OCR national Vocational topics:

1. Reducing the risk of sports injuries
2. Applying the principles of training
3. Sports Nutrition
4. Technology in sport

The course is predominantly classroom based with a small part, approximately 10% of it being practical.

The practical lessons are there to improve fitness levels, thorough a series of fitness tests and training programs.

Assessment is 75% written coursework and 25 % exam based.

These are some sample of the written tasks completed on this course:

Task 1:

The coach you are shadowing has explained to you how important it is to obtain information about current fitness levels of your squad members to help design realistic training programmes. This is often referred to as "baseline" fitness.

Your task is to carry out and interpret the results of fitness tests to assess the "baseline" fitness of the squad member you are mentoring. You must take into account appropriate guidelines and protocols and consider reliability and validity in the testing.

Task 2:

In order to assist the researchers at the sports technology laboratory you have been asked to demonstrate your knowledge on sports technology. You need to demonstrate your knowledge on how technology is used in sport and how it has enhanced various aspects of the sport. You should consider how technology has enhanced performance, game play and spectatorship.

Your task is to demonstrate your knowledge of how technology is used to enhance various aspects of sport.

Career opportunities

e.g. Personal Trainer
Personal trainers work with clients to improve their health and fitness.

Annual salary: £14,000 – 22,000

Working hours: 32 – 34 hours (variable). This may include evenings, weekends and bank holidays.
There will be 2% more Personal trainer jobs in 2024.

Education Needed

You can get into this job through:

- a college course
- an apprenticeship
- applying directly

College

You could take a college course to help you get into this career. Courses include:

- Level 2 Diploma in Instructing Exercise and Fitness
- Level 3 Certificate in Personal Training

Entry requirements
You'll need:
2 or more GCSEs at grades 9 to 3 (A* to D), or equivalent, for a level 2 course
4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, for a level 3 course

Apprenticeship

You could do a personal trainer advanced apprenticeship.

Entry requirements
You'll usually need:
5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths, for an advanced apprenticeship

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/sports

Statistics

What you will learn:

GCSE Statistics involves a lot of probability and interpreting data, both of which force you to make fast, logical decisions under time constraints.

How you will be assessed

This course is 100% exam based. There will be mock exams to give you a chance to prepare well for the final exams at the end of year 11.
After the GCSE course, you will have covered several topics that are also covered in A level Maths at Post 16. You may continue to study statistics at university.

What are the requirements?

To study Statistics you would need to have D ('deepening') or O ('on track') from Maths on your Y9 report. It would also be worth consulting your maths teacher, as they will be able to guide you on whether to study statistics or not

Why is it worth choosing Statistics?

We have analysed the outcomes achieved by students who study statistics at BBA and compared them to students who don't. We found that statistics students at BBA make **half a grade more of progress in their Maths GCSE** relative to the national average.

You will find it useful if you want to take an A Level in Maths, Chemistry, Biology, Physics, Psychology and Economics. Statistics at GCSE is also useful for students who are planning on taking A Levels in Geography or Business Studies and a number of level 3 courses because these subjects also require you to handle and interpret information.

Sample of work to trial AND/OR Pictures

1. The local council is planning to build a new swimming pool.

The councillors want to get the views of the local people.

Councillor Green wants to take a census of the population of the town.

(a) (i) Give **one** advantage of taking a census.

.....

(1)

(ii) Give **one** disadvantage of taking a census.

.....

(1)

Career opportunities

Top careers with average salaries involving statistics include: Actuary - £96,000

Data Scientist - £101,000 Financial Quantitative analyst - £65,000 Accountant - £53,000

Operations Research Analyst - £77,000 Stock Trader - £82,000 Statistician - £77,000

Market research data analyst

Market research data analyst study statistics and information collected through surveys.

Annual Salary £22,000 – £60,000 (Average UK Salary in 2019 was £30,378)

Working hours: 37 to 39 hrs a week

Your day-to-day duties may include:

- speaking to clients to understand their needs
- writing proposals, describing how research will be carried out
- managing relationships with clients
- advising researchers about survey methods and design
- project-managing teams
- checking the quality of the data collected
- analysing the data using statistical software programs and techniques, spreadsheets and computer models
- presenting results in a useful way, through talks, written reports, graphs and tables
- explaining findings to market research executives

Education needed

You can get into this job through:

- a university course
- an apprenticeship
- working towards this role
- a graduate training scheme
- specialist courses run by professional bodies

Entry requirements

- 2 or 3 A levels, or equivalent, including maths (which involves a significant amount of statistics)
- a degree in a relevant subject for postgraduate study

Apprenticeship

You may be able to start by doing an advanced apprenticeship in marketing or higher apprenticeship as a data analyst.

Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4, or equivalent, including English and Maths, for an advanced apprenticeship
- 4 or 5 GCSEs at grades 9 to 4 and A levels, or equivalent, for a higher or degree apprenticeship

Career portal link for Further opportunities

https://www.careerpilot.org.uk/job-sectors/subject/maths

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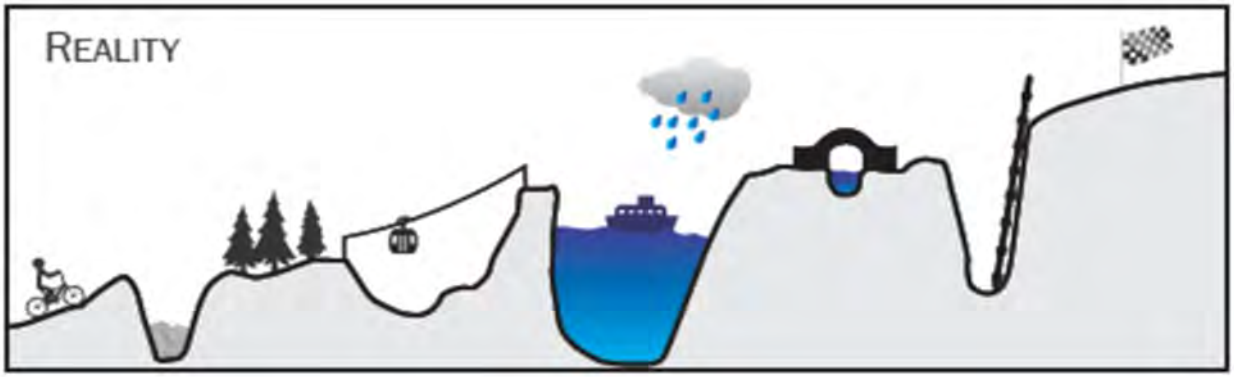
You are about to start a new part of your education journey. The next two years are important and will require your handwork and dedication.

It is worth realising that you will very much want your journey to look like this:

But in reality, your journey may be much more like this:



So, when you find yourself at the bottom of a big hill or at the bottom of that little sea in the picture, it is important to know that this is just part of your learning journey and certainly not the end. Keep going!

Make excellent choices year 9

If you need any more help or need to ask any more questions you can speak to the year team or email your teachers who will be very happy to help you.

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