



Ministerium Tuum Imple Love | Serve | Do the best that is possible



Opportunities For Study In Year 9

Fixed Curriculum Components

All pupils study GCSE courses in:

- English Language and English Literature
- Mathematics
- Science
- RE
- A Design and Technology subject (you must select ONE)
- A Modern Foreign Language (this will be the language already studied so far)
- History or Geography (you must select ONE)
- An Expressive Arts subject (you must select ONE)

Options Subjects

One of the following can be chosen (you will need to select a first and second choice):

- Business Studies GCSE
- Business BTEC
- Computer Science GCSE
- Certificate in Digital Application
- OCR National Engineering Manufacturing
- Horticulture
- BTEC Health and Social Care
- Sociology GCSE
- Separate Sciences GCSE

You can find more subject related information on the following pages.

Fixed Curriculum Component

Subject: ENGLISH LANGUAGE AND ENGLISH LITERATURE

Exam board: AQA

Topics covered:

Macbeth; A selection of Power and Conflict poems; Explorations in creative reading and writing; Writers' views and perspectives.

How the course will be examined:

A Literature GCSE examination style question and a selection of English GCSE styled questions.

Who will enjoy this course?

- Students that love to read and write extensively.
- Students who like to explore the social and historical contextual detail of various texts.
- Students with an analytical mind who love to evaluate texts.

How will this course help you?

- English Language/Literature is required for entry to many A' level courses
- Many employers will ask for a grade 4 or above.

Fixed Curriculum Component

Subject: MATHEMATICS

Exam board: AQA

Topics covered:

Number, Algebra, Ratio & Proportion, Measures, Statistics

How the course will be examined:

3 written examination papers: One non-calculator and two calculators allowed. Each paper is 1 hour and 30 minutes long.

Who will enjoy this course?

- Problem solvers

How will this course help you?

- Mathematics is a subject, set of skills and way of thinking which runs throughout all other courses and is needed in all areas of life.

Fixed Curriculum Component plus Option Choice

Subject: SEPARATE SCIENCES (known as Triple Science)

Exam board: OCR Gateway

Topics covered:

A deep and broad study of the theoretical and practical aspects of Biology, Chemistry and Physics.

How the course will be examined:

The course leads to three GCSEs: GCSE Biology, GCSE Chemistry and GCSE Physics. All assessment is through terminal examinations.

For **each** of the **three** Sciences:

- 50 % of the total GCSE from Paper 1 (covering the first half of the course) – 90 marks, 1 hr 45 minutes written paper.
- 50 % of the total GCSE from Paper 2 (covering the second half of the course, with assumed knowledge of the first half of the course) – 90 marks, 1 hr 45 minutes written paper.

Who will enjoy this course?

Pupils will enjoy this course if:

- They have a love of and natural curiosity for the Sciences.
- They enjoy the challenge of working with complex ideas and theories and how these may be used in scientific explanations or predictions.
- They can interpret, prioritise and process data logically.
- They are confident mathematicians.
- They have a good imagination and can visualise ideas and concepts that can't be seen.
- They have a good memory.
- They have shown a natural aptitude for Science and are in one of the Science top sets (top two sets in X Band and top set in Y Band).

How will this course help you?

- It is the best possible preparation for A Level Science courses.
- It is excellent preparation for and a highly desirable course to have when applying for careers in the STEM industry such as: Medicine/Nursing, Veterinary, Dentistry, Engineering (all disciplines), Physiotherapy, Aviation i.e. pilot, Marine Biology, Zoology/Conservation, Forensics, Genetics and many more.
- Employers from ALL fields are crying out for skills that are explicitly developed as part of the Separate Sciences: research methods, data processing, analysis, problem-solving, critical thinking, evaluation...these are particularly applicable if you are thinking of careers in law, finance, architecture, IT and many more.

Fixed Curriculum Component

Subject: COMBINED SCIENCES (also known as Double Science)

Exam board: OCR Gateway

Topics covered:

A study of the theoretical and practical aspects of Biology, Chemistry and Physics.

How the course will be examined:

The course leads to two GCSEs in Combined Science. All assessment is through terminal examinations.

- 16.7 % of the total GCSE from Paper 1 (covering the first half of the Biology course) – 60 marks, 1 hr 10 minutes written paper.
- 16.7 % of the total GCSE from Paper 2 (covering the second half of the Biology course, with assumed knowledge of the first half of the Biology course) – 60 marks, 1 hr 10 minutes written paper.
- 16.7 % of the total GCSE from Paper 3 (covering the first half of the Chemistry course) – 60 marks, 1 hr 10 minutes written paper.
- 16.7 % of the total GCSE from Paper 4 (covering the second half of the Chemistry course, with assumed knowledge of the first half of the Chemistry course) – 60 marks, 1 hr 10 minutes written paper.
- 16.7 % of the total GCSE from Paper 5 (covering the first half of the Physics course) – 60 marks, 1 hr 10 minutes written paper.
- 16.7 % of the total GCSE from Paper 6 (covering the second half of the Physics course, with assumed knowledge of the first half of the Physics course) – 60 marks, 1 hr 10 minutes written paper.

Who will enjoy this course?

All pupils will enjoy this compulsory course. It is the minimum requirement for Science study.

How will this course help you?

- It is excellent preparation for Post-16 Science courses, for example Applied Science.
- It is excellent preparation for applying for careers in the STEM industry such as: Nursing/Midwifery, Physiotherapy, Marine Biology, Zoology/Conservation, Forensics, Genetics and many more.
- Employers from ALL fields are crying out for skills that are explicitly developed as part of the studying the Sciences: research methods, data processing, analysis, problem-solving, critical thinking, evaluation...these are particularly applicable if you are thinking of careers in law, finance, architecture, IT and many more.

Fixed Curriculum Component

Subject: RELIGIOUS EDUCATION

Exam board: Edexcel GCSE religious studies for Edexcel A Catholic Christianity and Judaism

<http://qualifications.pearson.com/en/qualifications/edexcel-gcses/religious-studies-a-2016.html>

Topics covered:

Area of study 1 Catholic Christianity

- Beliefs and teachings
- Beliefs and Practices
- Sources of Wisdom and Authority
- Forms of expression and ways of life

Area of study 2 Judaism

- Beliefs and teachings
- Beliefs and practices

Area of study 3 Philosophy and Ethics

- Arguments for the Existence of God
- Religious teachings on relationships and families in the 21st century.

How the course will be examined:

The course is divided into three areas of study:

Area of study: Catholic Christianity

Area of study 2: Study of Religion Judaism

Area of study 3: Philosophy and Ethics

Pupils will sit three exams, one in each area of study at the end of year 11.

Who will enjoy this course?

We believe RE is a life enriching experience that will help to shape all aspects of pupils' lives.

We emphasise that no matter what talent a person has, everyone has a God-given vocation.

We provide an academically sound curriculum for our pupils and aim to foster and develop an interest in religion and the effects of religion on believers and society as a whole. We do this through the provision of lessons that are interesting, relevant and challenging.

We aim to provide opportunities and an environment where pupils are able to grow in their own personal faith, whatever it may be, and to develop considered personal responses to religious, spiritual and moral issues that affect them in everyday life.

We aim to provide pupils with the skills necessary to discuss important issues in a focused and intelligent way. Pupils are taught from an early stage to support all their views with evidence and examples, and to understand and appreciate the opposing views of others.

How will this course help you?

We develop the key learning talents and develop pupil's skills which may be transferred to many other subject areas.

The course will develop pupils understanding of key religious concepts and enable them to look at the world around them with an awareness of the importance of religion and the impact it has on life and the world we live in.

This course gives an excellent foundation for studying our A level course of Theology, Philosophy and Ethics.

Design and Technology Option Choice

Subject: DESIGN AND TECHNOLOGY

This is a single title GCSE but pupils express preference to follow materials specific pathways:

1. Electronics, systems and control
2. Fashion, textiles and fabrics
3. Graphics, papers, cards and boards
4. Woods, metals and polymers

Exam board: OCR

Topics covered:

Pupils undertake a wide range of challenging and engaging focussed practical tasks utilising the range of materials specific processes and equipment available. Pupils are encouraged to design iteratively, documenting their design decision making process throughout all explore, create and evaluate activities. This is often through the use of ICT. Pupils undertake study into the core and in depth technical principles of Design and Technology.

How the course will be examined:

During the end of year 10 and into year 11 pupils undertake a context based Non Exam Assessment for which they explore, create and evaluate a product of their devising. This accounts for 50% of the final overall grade. At the end of year 11 pupils sit a technical principles examination which will account for the remaining 50% of the final overall grade.

Who will enjoy this course?

- All pupils who enjoy being creative, solving problems, thinking methodically and using tools and machines to make something they can be proud of.
- A love of, or interest in, design, architecture, fashion, systems, Lego, model making, 3D printing, using tools and machines, experimenting, mending things, is not essential, but will indicate a likelihood to thrive on this course.

How will this course help you?

- Post-16 at St Paul's, pupils can choose to continue their studies in Design Engineering, Fashion and Textiles or Product Design. These courses are historically very popular and successful.
- Study in Design and Technology can lead to careers in the creative sector of the economy which was reported, in 2016, to account for one in eleven jobs and contribute £84.1 billion to the economy.
- Study in Design and Technology can lead to careers in the technical or engineering sector of the economy which was reported to account for 19% of UK employment in 2017 and contributed £486 billion to the economy in 2015.

Design and Technology Option Choice

Subject: FOOD PREPARATION AND NUTRITION

Exam board: AQA

Topics covered:

Pupils will learn about a range of Macro and Micro nutrients and their impacts on health. They will learn about Food Science and the impact of cooking as well as the functional and chemical properties of food. They will understand issues to do with food safety, hygiene and contamination. They will learn about British and International cuisines and understand the factors that affect food choice. There will be a focus on sustainability and food provenance together with processing and production of a variety of foods.

This knowledge will be developed through a combination of scientific style experiments, practical cooking lessons developing a range of food preparation skills as well as an understanding of how ingredients react to each other and cooking, and theory knowledge to support acquisition of knowledge about nutrition and food safety.

How the course will be examined:

At the start of year 11 pupils undertake a context based Non Exam Assessment in which they investigate functional and chemical properties of a chosen food. This accounts for 15% of the overall grade. After the start of November pupils undertake a second context based Non Exam Assessment where they demonstrate a range of food preparation skills. This accounts for 35% of the final overall grade. At the end of year 11 pupils sit a technical principles examination which will account for the remaining 50% of the final overall grade.

Who will enjoy this course?

- Pupils who enjoy cooking, trying out new dishes, experimenting with ingredients and are keen to understand why certain ingredients combine in particular ways, or wonder what different ingredients do to the structure and taste of foods we eat.
- Pupils who have a scientific interest in food and nutrition, are keen to understand what makes a balanced and healthy diet, are willing to try out new things and experiment, who want to improve their culinary skills.

How will this course help you?

- Study in Food Preparation and Nutrition can lead to careers in the catering industry, but more widely in the creative sector of the economy which was reported, in 2016, to account for one in eleven jobs and contribute £84.1 billion to the economy. You should not consider this as a course only for those who want to become chefs. There are a wide range of food related careers including chef; dietician; environmental health; caterer; etc.
- If you wish to continue food related studies at post 16, there are a wide range of courses available at further education establishments that will enable you to specialise in one of these areas, or you might choose a different career where the skills developed will be seen as transferrable and beneficial.

Design and Technology Option Choice

Subject: Engineering Design

Exam board: OCR

Topics covered:

The OCR Level 1/2 Cambridge National Certificate in Engineering Design consists of four mandatory units, these are;

R105 -

On completion of this unit, learners will understand the design cycle, the requirements for a design brief and design specification for the development of a new product and how effective research data is necessary to inform the development of a design solution.

R106 –

On completion of this unit, learners will understand how to perform effective product analysis and evaluation through research and product assembly and disassembly procedures to appreciate product design features.

R107 -.

On completion of this unit, learners will have developed knowledge and understanding of how to communicate design ideas through hand rendering and computer-based techniques.

R108 -

Learners will evaluate the prototype making a comparison of the outcome against the product specification and evaluate potential improvements in design such as features, function, materials, aesthetics and ergonomics and make suggestions on improvements to the final product.

On completion of this unit, learners will be able to use knowledge gained to apply practical skills in the use of tools and equipment to produce a prototype.

How the course will be examined:

R105: Assessing client briefs, specifications and user requirements

An external examination which is OCR set and marked. The exam is 1 hour long

R106: Product analysis and research

Centre assessed coursework tasks which are OCR moderated. Approximately 10-12 teaching hours are given to complete this unit.

R107: Developing and presenting engineering designs

Centre assessed coursework tasks which are OCR moderated. Approximately 10-12 teaching hours to be given to complete this unit.

R108: 3D design realisation

Centre assessed coursework tasks which are OCR moderated. Approximately 10-12 teaching hours to be given to complete this unit.

Who will enjoy this course?

This qualification is aimed at learners who wish to study the processes involved in designing new engineered products and the requirements of a design specification. Through research and practical activities, learners will understand how market requirements and opportunities inform client briefs and will use practical skills such as drawing, computer modelling and model making to communicate design ideas.

All pupils who enjoy being creative, solving problems, thinking methodically and using CAD to make something they can be proud of.

A love of, or interest in, design, architecture, fashion, systems, Lego, model making, 3D printing, using tools and machines, experimenting, mending things, is not essential, but will indicate a likelihood to thrive on this course.

How will this course help you?

Post-16 at St Paul's, pupils can choose to continue their studies in Design Engineering, Fashion and Textiles or Product Design. These courses are historically very popular and successful.

Study in Engineering Design can lead to careers in the creative sector of the economy which was reported, in 2016, to account for one in eleven jobs and contribute £84.1 billion to the economy.

Study in Engineering Design can lead to careers in the technical or engineering sector of the economy which was reported to account for 19% of UK employment in 2017 and contributed £486 billion to the economy in 2015.

Humanities Option Choice

Subject: HISTORY

Exam board: AQA

Topics covered:

Paper 1: WORLD PAPER

- USA 1920-1973: Opportunity and inequality
- Conflict and tension in Asia 1950-1975: Korea and Vietnam

Paper 2: BRITISH PAPER

- Thematic study: Health and the British people 1100-present day
- Depth study: Norman England 1066-1100

How the course will be examined:

100% examined – no coursework.

Paper 1 and Paper 2 exam paper questions will be based on own knowledge and source skills.

Who will enjoy this course?

History is quite a challenging subject that requires pupils to regularly demonstrate a good memory for dates and issues, and an analytical mind. So pupils who will enjoy the course the most and be successful in it are those that:

- want to study key events in the last 100 years and beyond.
- are able to question the reliability and usefulness of sources,
- have an ability to evaluate other people's interpretations of causes, events and consequences.
- have a keen interest in developing critical thinking skills that will be essential in further study and the workplace.

How will this course help you?

- You will be able to pursue A level History or any other academic A level.
- Most pupils who study the subject at GCSE and A level are able to show that they have successfully completed a highly academic subject. All universities recognise History as a facilitating subject that demonstrates skills essential to succeed in most employment opportunities.

Humanities Option Choice

Subject: GEOGRAPHY

Exam board: Eduqas Specification B

Topics covered:

Rivers and river management, coasts and coastal management, urban and rural processes and change in the UK, urbanisation in contrasting global cities, ecosystems under threat, climate change - cause and effect, water resources and management, a global perspective on development issues, weather and climate, desertification.

How the course will be examined:

Component 1: Investigating Geographical Issues

Written Examination: 1 hour 45 minutes

40% of qualification

Component 2: Problem Solving Geography

Written Examination: 1 hour 30 minutes

30% of qualification

Component 3: Applied Fieldwork Enquiry

Written Examination: 1 hour 30 minutes

30% of qualification

Who will enjoy this course?

This course will suit you if you have a love of the world in which we live and the interactions between humans and the physical world around you. You will have an interest in the past and present in order to make decisions about the future of our world. Students that enjoy 'seeing the bigger picture' excel in geography; they are the decision makers that can combine their Maths, English, Science and understanding of the sociology and psychology of humanity in order to provide the most effective solutions to geographical issues. Geographers have a curiosity in what is taking place in the world around them and as such are interested in and wish to learn more about the continuing evolution of our world.

How will this course help you?

Having studied GCSE Geography this will support you in studying a wide variety of A-Level subjects. Due to the wide nature and combination of topics studied in Geography it can run alongside both the Arts and the Sciences at A-Level and beyond into degree level. Most obviously, A-Level Geography is a route for further study into Post-16: 10% of the GCSE exam is maths based and along with the physical processes of science. The use of extended writing in assessments supports Maths, English, and the Sciences at A-Level. Geography is a facilitating subject for the Russell Group Universities and as such is thought of very highly as an academic subject for accessing courses beyond secondary school. Geography can lead into a variety of direct careers such environmental management, town planning, river/coastal engineering, volcanology but is very highly regarded by a variety of wider careers such as medicine, accountancy, business management, law to name but a few. The list of future careers is extraordinarily wide due to the wide nature of Geography as well as the range of

skills that are developed in order to analyse and understand our world. Geographers are so diverse in their ability that they are highly employable across the majority of job opportunities that so few are left to be geographers! By selecting GCSE Geography you are 'keeping your options open' to link into and support other subjects, there is no better 'all round subject'.

Expressive Art Option Choice

Subject: ART AND DESIGN

Exam board: Edexcel

Topics covered:

Following a visit to Kew gardens you will be exploring a range of materials to produce ideas and outcomes in response to several artists.

How the course will be examined:

All work will be assessed both in the sketchbook and final outcomes.

Who will enjoy this course?

Pupils who are willing to explore new ideas and concepts.

Pupils who are willing to persevere and are able to review and refine their work.

Pupils who enjoy practising art skills in order to develop their technical ability.

How will this course help you?

- You will be able to pursue A level Art and Design or Photography A level
- Most pupils who study the subject go on to complete an Art or design based degree

Expressive Art Option Choice

Subject: DRAMA

Exam board: Pearson/Edexcel

Topics covered:

When devising work, we use plays, poetry, newspaper articles, social issues, pictures, objects and films to inspire and stimulate imaginative use of the drama medium. Specific stylistic techniques are taught and then applied to original work. These techniques include still image, physical theatre, cross cutting, thought tracking, mime and use of mask. Links are made to established theatre practitioners and theatre companies and there are opportunities to visit the theatre both locally and in London's West End. Students also study An Inspector Calls and lessons on this are practical and theoretical. Written work in Drama is all about performance and how a range of production elements can be applied by an actor, director and designer.

How the course will be examined:

GCSE Drama consists of 3 components as follows:

- Component 1: Devising 40%

This is where students work collaboratively to create their own piece of Drama based on given stimuli. They are marked out of 15 for their performance and out of 45 for their portfolio (2000 words max)

- Component 2: Performance from Text 20%

This is where students perform 2 extracts from a play (usually one group piece and one monologue or duologue) and are marked by a visiting external examiner

- Component 3: Theatre Makers in Practice 40%

This is a 1 ½ hour written exam where students write about An Inspector Calls from the perspective of actor, director and designer and evaluate a live performance they have seen.

Who will enjoy this course?

Drama is a collaborative and creative subject that will appeal to any students who:

- Enjoy practically applying their performance skills
- Like to create their own devised performances
- Thrive when working with others
- Are creative when interpreting characters and plays
- Love going to the theatre
- Are interested in production elements such as lighting, set, costume and sound

How will this course help you?

Drama is a subject that increases your confidence and presentation skills; which is invaluable for all career paths and courses. It also develops your analytical and evaluative skills and supports the study of English at GCSE and A Level very closely. Drama students can follow careers in:

- Media
- Drama therapy
- Acting
- Set/ costume/ lighting design
- Law
- Sales and marketing
- Teaching

Expressive Art Option Choice

Subject: MUSIC

Exam board: Eduqas

Topics covered:

Classical music, Musical theatre, Jazz and Blues, Rock, Pop and Dance, Fusion music (Bhangra), Film Music, performance and composition.

How the course will be examined:

The course is broken up into three areas: listening and appraising (exam paper), composing 30% and performing 30%.

Component 1: Performing (30% of qualification)

- Internally assessed, externally moderated
- Minimum of 4 minutes for all performances (maximum 6 minutes)
- A minimum of two pieces, one of which must be an ensemble of one minute duration
- The second and subsequent pieces may be either solo or ensemble or a mixture of both
- One piece must demonstrate a link to an area of study
- Technology options available

Component 2: Composing (30% of qualification)

- Internally assessed, externally moderated
- A minimum of 3 minutes for both composition (maximum 6 minutes)
- Two compositions, one of which must be a response to a brief set by WJEC (released each year on September 1st of year 11)
- The second piece is a free composition for which learners set their own brief

Component 3: Appraising (40% of qualification)

This is externally assessed. The exam paper is 1 hour 15 minutes long. It is based on the four main areas that students study:

1. Musical forms and devices.
2. Musical ensembles.
3. Film Music
4. Popular Music.

Students will answer questions on unfamiliar pieces of music from these areas of study as well as questions on pieces that they have studied during lesson time.

Who will enjoy this course?

Students will enjoy GCSE Music if they want to study a subject that:

- involves performing
- involves listening to all kinds of music

- involves creatively composing or arranging music
- gives them the opportunity to create and play music with others, for example in a rock group, jazz band, orchestra, or vocal group
- gives them the opportunity to use music technology

Expressive Art Option Choice

Subject: PHYSICAL EDUCATION

Exam board: OCR

Topics covered:

Section 1 Applied Anatomy and physiology (Skeletal system, muscular system, movement analysis, cardiovascular & respiratory systems)

How the course will be examined:

60% of the course is a written paper, the year 9 exam is out of 50 marks. The other 40% of the course is examined through 3 practical sports and coursework.

Who will enjoy this course?

- Those with good recall skills
- Independent learners
- Enjoy the challenge of a range of sports
- Take risks
- Are resilient
- Like to collaborate
- Will like Maths and biology
- Will have studied and excelled in year 8 PE
- Will have a love of sport and participating in a number of different sports

How will this course help you?

- GCSE PE will allow you to access both A level and BTEC sport in 6th form.
- Possible careers include; PE teaching, sports psychologist, sports journalism and a range of roles in the sports and leisure industry

Option Choice

Subject: GCSE BUSINESS

Exam board: AQA

Topics covered:

Business in the real world, influences on business, marketing, human resources, business operations, finance

How the course will be examined:

The course is 100% exam based with no non-exam assessment. There are two equally weighted components of one hour and 45 minutes, worth 90 marks each. Assessment will use a mixture of question styles such as multiple choice, short answer and extended response questions.

Students apply their knowledge and understanding to different business contexts ranging from small enterprises to large multinationals and businesses operating in local, national and global contexts. Students develop an understanding of how these contexts impact on business behaviour. Students will apply their knowledge and understanding to business decision making including:

- the interdependent nature of business activity, influences on business, business operations, finance, marketing and human resources, and how these interdependencies underpin business decision making
- how different business contexts affect business decisions
- the use and limitation of quantitative and qualitative data in making business decisions.

GCSE Business requires students to draw on the knowledge and understanding to:

- use business terminology to identify and explain business activity
- apply business concepts to familiar and unfamiliar contexts
- develop problem solving and decision making skills relevant to business
- investigate, analyse and evaluate business opportunities and issues
- make justified decisions using both qualitative and quantitative data including its selection, interpretation, analysis and evaluation, and the application of appropriate quantitative skills.

Who will enjoy this course?

Students will enjoy GCSE Business if they want to study a subject that:

- is hugely relevant to 'real life' – we are all customers and will work in a business organisation during our lifetime.
- allows them develop a range of lifelong learning habits e.g. personal organisation, resilience, independent and collaborative working, thoughtful questioning and curiosity, verbal and written communication etc.
- prepares them for sixth form and university study in a range of disciplines e.g. Economics, Management, HRM, Accountancy, Marketing etc.

Option Choice

Subject: BUSINESS (BTEC Tech Award in Enterprise)

Exam board: Pearson

How the course will be examined:

60% of the course is internally assessed and 40% is externally assessed.

Component 1: Exploring Enterprises (30% of qualification)

Aim: examine different enterprises to develop knowledge and understanding of the characteristics of enterprises and the skills needed by entrepreneurs

Assessment: internally assessed assignment

During Component 1, learners will:

- Examine the characteristics of enterprises
- Explore how market research helps enterprises meet customer needs
- Understand competitor behavior
- Investigate the factors that contribute to the success of an enterprise
- Apply what they've learnt in undertaking research and make decisions about the success of SME's

Component 2: Planning for and running an enterprise (30% of qualification)

Aim: select an enterprise idea to plan, pitch for and run

Assessment: internally assessed assignment

During Component 2, learners will:

- Explore ideas for a micro enterprise activity
- Plan for a micro enterprise activity
- Pitch for a micro enterprise activity
- Operate a micro enterprise activity
- Review the success of a micro enterprise activity

Component 3: Promotion and Finance for Enterprise (40% of qualification)

Aim: explore promotional methods, financial records, planning and forecasting

Assessment: externally assessed task where learners will be provided with a case study of a small to medium enterprise and complete a series of activities

During Component 3, learners will:

- Demonstrate knowledge and understanding of elements of promotion and financial records
- Interpret and use promotional and financial information in relation to a given enterprise
- Make connections between different factors influencing a given enterprise

- Advise and provide recommendations to a given enterprise on ways to improve its performance

How the course works.....

With a BTEC Tech Award in Enterprise, learners are able to **explore, challenge** and **realise** their potential. During the course, learners can see whether the industry is one they'd like to be in, where they could go, and gain the knowledge and skills they need to succeed in their next steps.

After completing the course, learners can continue on to further vocational and academic study at level 2 and 3, as well as apprenticeships and traineeships.

What's more, the **practical transferable skills** learners master during their studies such as **self-reflection, communication, teamwork** and **problem solving** will also support their progress in the present and in the future.

Option Choice

Subject: COMPUTER SCIENCE (GCSE)

Exam board: OCR

Topics covered:

Computer Systems, Computational Thinking, Algorithms and Programming.

How the course will be examined:

The course is broken up into three areas: Paper 1 - Computer Systems and Paper 2 - Computational Thinking, Algorithms and Programming which are external exams. There is also a Programming Project which is internally assessed.

Component 1: Computer Systems (externally examined by a 1 hour 30 minute exam)

This component introduces students to the central processing unit (CPU), computer memory and storage, wired and wireless networks, network topologies, system security and system software. It also looks at ethical, legal, cultural and environmental concerns associated with computer science.

Component 2: Computational Thinking, Algorithms and Programming (externally examined by a 1 hour 30 minute exam)

Students apply knowledge and understanding gained in Component 1. They develop skills and understanding in computational thinking: algorithms, programming techniques, producing robust programs, computational logic, translators and data representation. The skills and knowledge developed within this component will support the learner when completing the programming project.

Component 3: Programming Project (Non-exam assessment)

Students use OCR assessment tasks to demonstrate their practical ability in the skills developed in components 1 and 2. In a controlled environment they will, define success criteria from a given problem, and then create suitable algorithms to achieve success criteria. Students then code their solutions in a suitable programming language, and check its functionality using a suitable and documented test plan. Students have a total of 20 hours to complete their programming project.

Who will enjoy this course?

Students will enjoy GCSE Computer Science because:

- It is part of everything we do in the modern world.
- Allows you to practice and develop your problem solving skills and logical thinking.
- You want to learn and understand a programming language.
- You want a better understanding of how computer works.
- Understand the technology around them.

Option Choice

Course: CERTIFICATE IN DIGITAL APPLICATIONS (CiDA)

Department: Computer Science

Exam board: Pearson Edexcel

How the course will be examined:

One mandatory unit which is externally assessed and one optional unit that is internally assessed.

Unit 1 – Developing Web Products - Mandatory Unit:

- Externally assessed practical exam.
- Prepare materials for a website that are appropriate to the audience.
- Design web pages using techniques such as:
 - Project design
 - Storyboards
 - Site structure maps
- Create a website that includes:
 - Navigation bar
 - Graphics
 - Hyperlinks
 - Text
 - Layout and use of colour
 - HTML & JavaScript
- Testing
- Evaluation

The optional units are internally assessed through coursework and then externally moderated. From the optional units the school will chose **one** of the following:

Unit 2 – Creative Multimedia

This unit covers the preparation, design and creation of video, sound and animation.

Unit 3 – Artwork and Imaging

This unit covers the preparation, design and creation of bitmap and vector digital images.

Unit 4 – Game Making

This unit covers the idea generation for games, then the design and creation of a computer game.

Who will enjoy this course?

Students will enjoy CiDA if they want to study a subject that:

- Researches real world digital technology.
- Reflects on how humans interact with digital products.
- Allows a student to design and create digital products.
- Has a mix of practical and theory elements.
- Gives real world skills that can be used in the future in many areas of the business and technical world.

Option Choice

Subject: ENGINEERING MANUFACTURE

Exam board: OCR

Topics covered:

R109 - On completion of this unit, learners will understand how the properties and characteristics of materials impact on the design specification for the development of a new product and appreciate the different production methods available to produce engineered products.

R110 - On completion of this unit, learners will understand and be able to apply the processes for making pre-production products, using a range of hand tools, measuring and marking equipment safely.

R111 - On completion of this unit, learners will be able to use computer applications to manufacture engineered products and produce CAD drawings of a product. Learners will understand how computer control is used to produce engineered products in high-volume.

R112 - On completion of this unit, learners will understand the techniques and procedures used to ensure the quality of engineered products.

How the course will be examined:

R109: Engineering materials, processes and production

An external examination which is OCR set and marked. The exam is 1 hour long.

R110: Preparing and planning for manufacture

Centre assessed coursework tasks which are OCR moderated. Approximately 10-12 teaching hours are given to complete this unit.

R111: Computer aided manufacturing

Centre assessed coursework tasks which are OCR moderated. Approximately 10-12 teaching hours are given to complete this unit.

R112: Quality control of engineered products

Centre assessed coursework tasks which are OCR moderated. Approximately 10-12 teaching hours are given to complete this unit.

Who will enjoy this course?

Engineering manufacture is a discipline of engineering dealing with different manufacturing practices and processes using machines, tools and equipment that turn raw materials into products.

A practical approach to teaching and learning will provide learners with knowledge in engineering technology and develop critical thinking, creativity and dextrous skills through engaging practical experiences.

How will this course help you?

Post-16 at St Paul's, pupils can choose to continue their studies in Design Engineering, Fashion and Textiles or Product Design. These courses are historically very popular and successful.

Study in Engineering Manufacture can lead to careers in the creative sector of the economy which was reported, in 2016, to account for one in eleven jobs and contribute £84.1 billion to the economy.

Study in Engineering Manufacture can lead to careers in the technical or engineering sector of the economy which was reported to account for 19% of UK employment in 2017 and contributed £486 billion to the economy in 2015.

Option Choice

Subject: BTEC HORTICULTURE

Exam board: Pearson BTEC level 2 extended certificate

Topics covered:

- Basic horticulture skills
- Understanding the basic principles of plant science
- Maintain winter and summer sports turf surfaces
- Participate in propagation techniques
- Tractor driving

How the course will be examined:

There will no examinations, due for review 2019.
Work is assessed by practical tasks and assessments.

Who will enjoy this course?

Students who will enjoy this course will enjoy working outside the classroom and will enjoy practical working.

How will this course help you?

The BTEC Horticulture is a Level 2 qualification designed to provide a specialist work-related qualification which can transfer across a wide range of sectors within Horticulture. BTEC Horticulture will give pupils the knowledge, understanding and skills that they need to prepare for employment.

Option Choice

Subject: BTEC HEALTH AND SOCIAL CARE

Exam board: Edexcel

Topics covered:

- Human Lifespan Development
- Health and Social Care Services and Values
- Health and Wellbeing

How the course will be examined:

The course combines a mix of internally and externally assessment units.

Unit 1: Human Lifespan Development

- Internally assessed unit. 30% of the total course

Unit 2: Health and Social Care Services and Values

- Internally assessed unit. 30% of the total course

Unit 3: Health and Wellbeing

- Externally assessed unit. 40% of the total course

Who will enjoy this course?

Students who wish to explore the growth and development of individuals across a range of life stages and have a particular interest in working within the health care sector.

How will this course help you?

- Continue your study of Health and Social Care at A-Level
- Study Psychology and Sociology at A-Level
- Go on to study degrees in areas such as Health and Social Care, social work, nursing and many more.

Option Choice

Subject: GCSE SOCIOLOGY

Exam board: AQA

Topics covered:

- Sociological theory
- Research methods
- Education
- Families and Households
- Social stratification
- Crime and deviance

How the course will be examined:

The course is assessed at the end of Year 11 by two written exam papers which both last for 1hr 45mins.

Paper One: The Sociology of Families and Education 100 marks 50% of GCSE

- The sociology of families
- The sociology of education
- Relevant areas of social theory and methodology

Paper Two: The Sociology of Crime and Deviance and Social Stratification 100 marks 50% of GCSE

- The sociology of crime and deviance
- The sociology of social stratification
- Relevant areas of social theory and methodology

Who will enjoy this course?

Students who enjoy studying the world which we live in and are keen to explain the reasons behind a variety of societal issues related to the topics covered.

How will this course help you?

- Continue your study of Sociology at A-Level
- Study Psychology and Health and Social Care at A-Level
- Go on to study degrees in areas such as journalism, social work, law, crime, teaching and many more.

Option Choice

Subject: SEPARATE SCIENCES (known as Triple Science)

Exam board: OCR Gateway

Topics covered:

A deep and broad study of the theoretical and practical aspects of Biology, Chemistry and Physics.

How the course will be examined:

The course leads to three GCSEs: GCSE Biology, GCSE Chemistry and GCSE Physics. All assessment is through terminal examinations.

For **each** of the **three** Sciences:

- 50 % of the total GCSE from Paper 1 (covering the first half of the course) – 90 marks, 1 hr 45 minutes written paper.
- 50 % of the total GCSE from Paper 2 (covering the second half of the course, with assumed knowledge of the first half of the course) – 90 marks, 1 hr 45 minutes written paper.

Who will enjoy this course?

Pupils will enjoy this course if:

- They have a love of and natural curiosity for the Sciences.
- They enjoy the challenge of working with complex ideas and theories and how these may be used in scientific explanations or predictions.
- They can interpret, prioritise and process data logically.
- They are confident mathematicians.
- They have a good imagination and can visualise ideas and concepts that can't be seen.
- They have a good memory.
- They have shown a natural aptitude for Science and are in one of the Science top sets (top two sets in X Band and top set in Y Band).

How will this course help you?

- It is the best possible preparation for A Level Science courses.
- It is excellent preparation for and a highly desirable course to have when applying for careers in the STEM industry such as: Medicine/Nursing, Veterinary, Dentistry, Engineering (all disciplines), Physiotherapy, Aviation i.e. pilot, Marine Biology, Zoology/Conservation, Forensics, Genetics and many more.

Employers from ALL fields are crying out for skills that are explicitly developed as part of the Separate Sciences: research methods, data processing, analysis, problem-solving, critical thinking, evaluation...these are particularly applicable if you are thinking of careers in law, finance, architecture, IT and many more.