



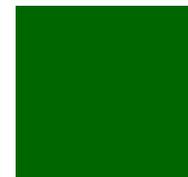
KEY STAGE 4 OPTIONS

Information for Year 9 Students **2017**

Richard Challoner School

Making the right choice





Introduction

Year Leader—Miss G Veglio

Choosing subjects to study in Years 10 and 11 can seem daunting. This booklet is designed to provide information about the courses available to students studying at Richard Challoner School for KS4 (years 10 and 11), to make the process easier. It should be read carefully by you and your parents/carers. It is advisable that you discuss the available choices with your parents/carers before making any final decisions.

Throughout Year 9, you have been encouraged to think ahead to the end of the year when you can adapt your programme of study. There are certain subjects you will be obliged to study, and then your choice of two "options".

You have to take the following subjects:

- [GCSE English Language](#)
- [GCSE English Literature](#)
- [GCSE Mathematics](#)
- [GCSE Science](#)
- [GCSE Religious Education](#)
- [A Modern Language](#) (GCSE French or Spanish)
- A Humanity (GCSE [Geography](#) or [History](#))

- PSE (Personal and Social Education)
- [Games](#)

You then choose two of the following options:

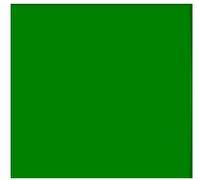
- [GCSE Triple Science](#)
- [GCSE Art and Design](#)
- [GCSE Business Studies](#)
- [GCSE Design and Technology](#)
- [GCSE Drama](#)
- [GCSE Geography](#) (if you did not choose it as your humanity)
- [GCSE History](#) (if you did not choose it as your humanity)
- [GCSE Food Preparation and Nutrition](#)
- [GCSE Computer Science](#)
- [GCSE Music](#)
- [GCSE Physical Education](#)
- [BTEC Level 1 Construction Course](#)

Click on a subject above to jump to it's page of the booklet!

Please note that for the vast majority of our students, this option programme allows access to all the subjects that form the **English Baccalaureate**. This is a performance measure that has been introduced by the government to recognise students gaining a qualification at GCSE grades A* to C in English, Maths, 2 Sciences, a Modern Foreign Language and a Humanity subject.

Options Evening 2017

An Options Evening will take place at Richard Challoner School on **Tuesday 9th May 2017**. This evening will provide you with an opportunity to visit up to five presentations by Heads of Department/GCSE teaching staff, relating to the optional subjects.



Important points to bear in mind

During PSE you have had the opportunity to consider potential careers and their requirements via the [Cascaid website](#). I hope you use your login details to have another look at this before choosing your Options. However, it may be too early to make a definite decision regarding your future career, and therefore you should try not to limit yourself to a narrow choice of disciplines. You should consult as many "experts" as possible for advice; teachers, career advisers, friends/family in industry, websites etc. Think not only about what you want to do, but also about what is best for you to do.

Do not choose a subject just because your friends have chosen it or you might be taught by a teacher you like.

Think about...

- **What's your passion?** If you enjoy a subject, there is a chance you will do better in it. Choose a subject you love doing.
- **Your future.** What do you want to be? Some careers need certain qualifications, so look at the entry requirements for that job.
- **What do you do well in, exams or controlled assessment?** Look at how each course is assessed. If you are good at coursework but poor at exams, try not to choose a subject that is only assessed by exams.

This booklet contains information about each subject to assist in your selection. You are also advised to talk to your subject teacher regarding your potential at GCSE level.

Please note that whilst every effort will be made to accommodate your choices, there may be some limitations in certain cases. For example, there may not be sufficient places on a particular course or viable numbers for a course to run. Therefore, we ask all students to choose one reserve option, to cover all eventualities.

There is also a section included at the back of this booklet for your information about [education and training pathways](#) after your GCSEs. There is also a [notes page](#) for you to use if you would like to.

If problems arise please do not hesitate to contact myself or Mr O'Brien at school and every effort will be made to solve them. **Explore all the options and make the right choice for you.**

**Miss Veglio
Year 9 Leader**

Making the right choice—Key Stage 4 Options

GCSE Mathematics

Subject Leader—Mrs N Cloudsdale

Why study Mathematics?

Mathematics is an exciting subject giving both basic and abstract skills to pupils, which both stretches and supports current understanding and gives new techniques and ideas to solve numerical and algebraic problems.

Course Details

Year 10 pupils will follow the two-year Mathematics GCSE course following the Edexcel Linear GCSE Syllabus in Mathematics, 1MA1. There are three exams, one non calculator exam and two calculator allowed exams, each contributing equally to the final grade. Each exam is 1.5 hours. The exam incorporates Functional Skills and Problem Solving.

Assessment

There are two tiers of entry in the final examination at the end of year 11. The decision for Foundation or Higher entry will be taken based on performance throughout Year 9, the Year 9 exam result, and revised if required after the Year 10 exam and the mock in Year 11. Foundation tier examines levels 1 to 5, and higher tier examines levels 4 to 9.

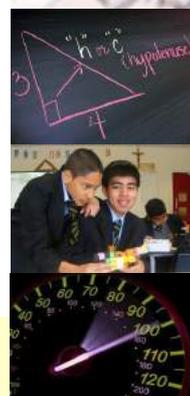
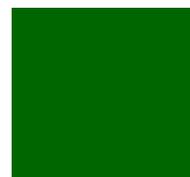
At the end of Year 9, the results of the End of Year exam and teacher assessment will determine any changes to the present setting arrangements.

General requirements

1. Basic equipment must be brought to every lesson including **pencil, ruler and calculator**. There will also be the need to bring a **protractor** or a **pair of compasses** to some lessons.
2. Every pupil must meet deadlines. Evidence of work over a period of time is extremely important.
3. Homework will be set regularly, and students are expected to spend between one and two hours each week on Mathematics outside the classroom.
4. If a pupil has a difficulty with maths it is essential that they ask a member of the department for assistance rather than struggling alone. There is always someone willing to give help. Ask for help before the lesson that homework is due in.

Career prospects

Mathematics GCSE allows you to choose many careers and courses. Many courses and careers expect at least a grade 5 in Maths from all their candidates. Maths is required at varying levels for the following careers: Pilot, Computer Programmer, Engineering and Banking. It is also an entry requirement for many courses and further study.



GCSE English - Language and Literature

Subject Leader—Mrs Cheema

Why study English?

The importance of achieving a GCSE in English cannot be overstated: attainment of an English GCSE is a requirement of the majority of courses offered by Sixth Form and Further Education colleges. Increasingly, the achievement of a good grade in an English GCSE is also a requirement of many employers in both the public and private sector. The ability to communicate effectively is, arguably, the skill most central to success in later life. All students at Richard Challoner School will be entered for both AQA GCSE English Language and AQA GCSE English Literature. Many students will also be given the opportunity to complete the AQA English Functional Skills qualification.

English Language

The English Language GCSE assesses a student's abilities in speaking and listening, reading, writing and interpreting a range of fiction and non-fiction texts. Students are given the opportunity to demonstrate their skills in creative writing, presenting facts, ideas and opinions, and they will be required to respond to a range of challenging texts from the 19th, 20th and 21st century.

Assessment: External examination - 100%.

English Literature

The English Literature GCSE assesses the study of poetry, modern prose, drama (including Shakespeare), and texts from the English Literary Heritage. Students will experience a range of Literature with a wide variety of appeal drawn from contemporary and modern texts, texts from across the globe and texts which have had a significant influence on our English literary and cultural heritage.

Assessment: External examination - 100%.

A small number of students will be entered for only the English Language GCSE qualification. This will provide them with more time to develop and practise the skills required for this redesigned qualification. They will also be supported in their entry for the AQA Level 2 English Functional Skills qualification.

Making the right choice—Key Stage 4 Options

GCSE Science

Subject Leader—Mr M McAlonan

Why Study Science?

The study of Science is essential in helping us to understand the world around us. This understanding, or 'Scientific Literacy', also plays an important part in ensuring students will be able to engage in debates and decisions about a number of important issues in society. Moreover, students will develop an appreciation for the idea that Science is not just a body of facts, it is method; a way of learning that places evidence at the centre.

Our philosophy: Science for all. We believe that science has something to offer every student, whatever their aspirations. From trainee chef to nuclear physicist, construction apprentice to cancer researcher, everyone needs some level of relevant science understanding.



Course Details

New Specification 2016

What's changing?

- No controlled assessment (ISAs).
- No assessment of quality of written communication.
- The minimum exam time for Combined Science will be 7 hours.
- 15% of GCSE marks will be for practical skills.
- Grades - The A* to G grades will be replaced by 9 to 1 for Biology, Chemistry and Physics.
- Combined Science will have a 17 point grading scale, from 9–9, 9–8 through to 2–1, 1–1.
- A single GCSE science will no longer be offered. This means no core, additional or further additional science GCSEs.
- All science GCSEs will have higher and foundation tier papers.

Assessment

This is a linear course. There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. Each paper is similar:

- Written exam: 1 hour 15 minutes
- Foundation and Higher Tier
- 70 marks
- 16.7% of GCSE

Making the right choice—Key Stage 4 Options

GCSE Triple Science Option

Subject Leader - Mr M McAlonan



Studying the Separate Sciences (the 'Triple Science' option) means students will finish year 11 with a separate GCSE in Biology, Chemistry and Physics. The extra depth and challenge offered by the triple science pathway provides an excellent foundation for studying science A Levels (though it is important to note that it is not compulsory for students to have studied triple science in order to gain access to A Level Science subjects)

We are hoping that those with an interest in Science and who are enthusiastic about learning more and going in deeper will choose the Triple Science option. Due to the slight increase in challenge it is advisable that those choosing this option will have secured a level 7 (or a high level 6) at KS3.

Exam success: The Triple Science option at Richard Challoner has a proven track record of excellent exam results (last year, Biology attained 100% A* to C with 69% A*/A; Chemistry 98% A* to C with 57% A*/A; Physics 100% A* to C with 72% A*/A).

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- The minimum exam time for Combined Science will be 7 hours.
- 15% of GCSE marks will be for practical skills.
- Grades - The A* to G grades will be replaced by 9 to 1 for Biology, Chemistry and Physics.

Assessment for the Triple Science courses:

This is a Linear course. **Six written exams** will be taken. Two for Biology, two for Chemistry and two for Physics. All these exams will be taken in the Summer session of Year 11.

The exams are based on the following format:

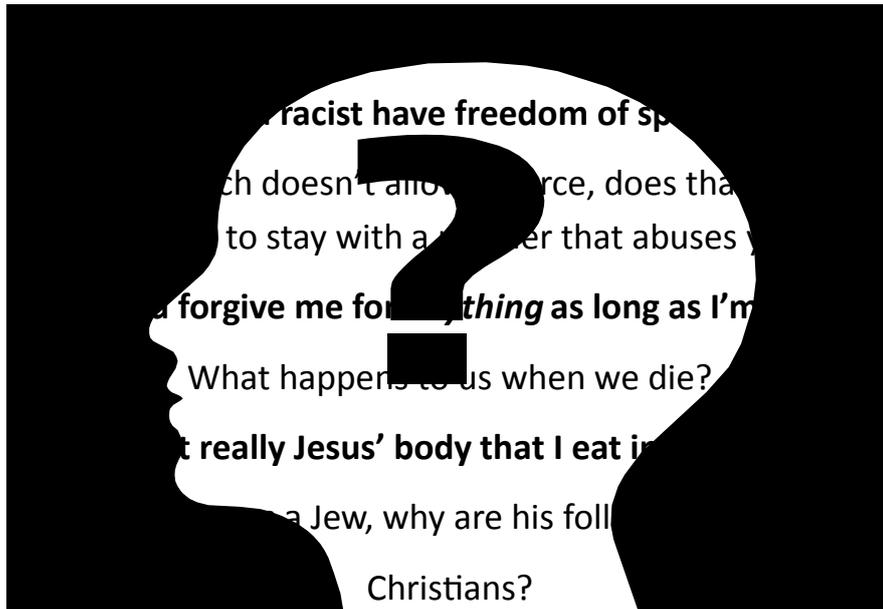
- Written exam: 1 hour 45 minutes
- Foundation and Higher Tier
- 100 marks

Questions are multiple choice, structured, closed short answer and open response. Each paper is 50% of the GCSE for that Science subject.

Making the right choice—Key Stage 4 Options

GCSE Religious Education

Subject Leader—Mrs L Bailey



Year Ten – Perspectives on Faith

Students will have an opportunity to learn about Judaism, spending a term studying some of the key beliefs and practices of the faith.

In addition to this we look at three themes from a Christian perspective:

1. Religion, Relationships and Families
2. Religion Peace and conflict
3. Religion, Human Rights and Social Justice

Year Eleven – The Roman Catholic Church

Creation; Incarnation; Trinity; Redemption; Church and the Kingdom of God; Eschatology. In order for students to be confident and secure in their faith, they are taught the fundamentals of Roman Catholicism. Each pupil should leave the course knowing the background and context of their Catholic faith.

Assessment: AQA RELIGIOUS STUDIES B 100% Examination at the end of Year 11

There is no controlled assessment

Religious Studies is recognised as a valuable academic qualification. The topics covered require an ability to be enquiring, analytical, critical and yet open-minded. These are qualities which are appreciated by and are appealing to all employers. A qualification in Religious Studies also reflects an ability to empathise with and understand other people, which is a requirement in any career dealing with people. Many employers find that people who have a good foundation in Religious Studies have acquired an excellent basis for areas such as human and social development e.g. social work, police force, law, medicine, army...

RELIGIOUS STUDIES DEALS WITH LIFE ISSUES AND IS THEREFORE INVALUABLE FOR GAINING AN INFORMED PERSPECTIVE – WHICH IS VITAL FOR NOT ONLY A CAREER, BUT FOR LIVING LIFE!

Making the right choice—Key Stage 4 Options

Modern Foreign Languages: GCSE French and GCSE Spanish

Subject Leader—Mrs McAlonan

Why study a language?

The knowledge of another modern language develops our ability to communicate with others with confidence and provides us with an understanding of other people and cultures. Languages play an essential role in our globalised future. ***A modern language is a compulsory subject in Year 10, with students continuing with the language they opted for at the end of Year 7.***

What does a GCSE in French or Spanish involve?

We follow the AQA GCSE specification in French and Spanish. The two year course concentrates on developing the four skills involved in the learning of a language: Listening, Speaking, Reading and Writing.

Which exams will I have to sit?

The MFL GCSE is now linear and will be assessed through exams taken at the end of Year 11 . It will be graded 9-1.

Listening – 25%

Speaking – 25%

Reading – 25%

Writing – 25%

Which topics will I study?

The course is divided into three themes:

Theme 1: Identity and culture

Theme 2: Local, national, international and global areas of interest

Theme 3: Current and future study and employment

Which future careers are open to me?

Success in a language is viewed with great respect by universities and future employers as it demonstrates higher-order skills. Speaking another language has been proven to increase the number of synapses in your brain and improve your memory, as has been in the media recently.

A language GCSE prepares you to take your place as a citizen of the multicultural and global society that we now live in. There are many future careers in which a language is essential. Indeed, most big companies nowadays have either clients or offices abroad . Speaking another language can therefore increase your earning potential as well as your opportunities to travel for work..



GCSE Art and Design

Subject Leader—Mr Bailey

Do you want to pursue any of these careers?

Advertising	Architecture	Costume Design
Civil Engineer	Special Effects	Fashion Design
Film & Set Design	Sporting design	Game Design & Marketing
Photography	Illustration	Publishing
Jeweller	Graphic designer	Printmaker

Why study Art & Design?

Art & Design enhances life, imagination and creative thinking. It makes the world a more interesting place and is a fundamental part of human existence. Studying Art & Design is vital to help develop creativity which is one of the hardest, and most desirable skills to gain. Within the course of study students are encouraged to develop their skill, knowledge and understanding of a range of different mediums and techniques including drawing, print-making, ceramics, painting and photography. Students will also engage with artists and designers learning how to analyse and evaluate their work and use

Course Details

Exam Board: AQA (New specification for 2016-17)

Assessment: Component 1: Portfolio 60%. Component 2: Externally Set Assignment 40%

Pupils develop work on a number of different themed projects for their portfolio, which accounts for 60% of their grade.

Art & Design develops a vital set of transferable skills that benefit students in a broad and balanced curriculum including:

OUTSTANDING RESULTS!

- * Imagination, creativity and resourcefulness; 2015
- * Creative problem-solving and decision-making; A*- C = 100% A*-A = 40%
- * The ability to work independently; 2016
- * Oral and written communication; A*- C = 96% A*-A = 36%

Art & Design embodies the highest forms of human creativity.

The subject truly gives you the opportunity to meaningfully explore and express yourself in personal, skilled and creative ways. Choose Art & Design if...

- ◇ **You enjoy it**
- ◇ **Your teacher has said you are able**

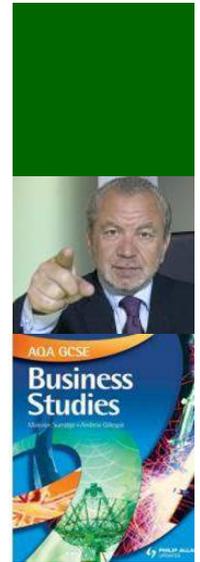
Making the right choice—Key Stage 4 Options

GCSE Business Studies

Subject Leader—Mr Norris

Why study Business Studies?

Business Studies students have the opportunity to embark on a course which focuses on business activity and the way in which businesses interact with their external environment. Through the course students will learn how to identify and analyse business problems in a number of contexts. Students are encouraged to apply their knowledge to real-world business situations whenever possible. The course also gives students real world skills, such as knowledge of recruitment and selection process.



Exam Board

AQA

Course Details

During the course 3 units of work will be covered:

Unit 1 – Setting up a Business

This unit introduces the pupils to issues concerning the setting up and operation of a small business. It explores the activities of the business and the reasons for success and failure.

Unit 2 – Growing as a Business

This unit builds on the content of unit 1, and considers how the methods of expansion and objectives of larger businesses might differ from smaller businesses.

The areas explored in units 1 and 2 are split into 5 sections.

Section 1 - Starting a Business

Section 2 - Marketing

Section 3 - Finance

Section 4 – People in Business

Section 5 – Operations Management

Assessment

The syllabus content has three elements:

Unit 1 - Terminal Assessment in year 11 - 1 hour external paper 40%

Unit 2 - Terminal Assessment in year 11 - 1 hour external paper 35%

Unit 3 - Controlled assessment in Year 10 - 25%

Please Note:

Due to changing specifications the exam board for business at Richard Challoner is under review.

A final decision on the exam board for 2017-2018 will be made in June-July 2017.

Making the right choice—Key Stage 4 Options

GCSE Design & Technology

Subject Leader—Mrs C Owen

- Ever considered a job where you can be creative in a practical/useful way?
- Want to start a career within a industry that needs graduates to fill positions?
- Would you like to be the next James Dyson and change the world with an idea? (and make a lot of money in the process!)
- Did you enjoy your Insight into Industry day?
- Have you enjoyed any of the projects in KS3 Design Technology? Including Creative Crackers.
- Previously attended and enjoyed STEM club?

Answered YES to any of the above? If so, we may have the perfect GCSE option for you!

Why study Design?

The UK is internationally renowned as a incredibly creative nation, in the last 15 years we have become number 1 in the world. With massive shortfalls in the number of recruits in Engineering and UK's recent emphasis embracing creativity as an important component of innovative engineering, there really is no better time to begin your career within design.

Exam Board AQA

Assessment 50% Controlled Assessment. 50% Examination.

Pupils sit one examination paper at the end of year 11 which carries 50% of the total marks. There is a single tier of entry for the final summer examination. The remaining 50% is derived from a non-exam assessment (NEA) started at the end of year 10 and continuing throughout year 11—this includes a design portfolio.

A few common myths...

"I can't draw so I won't be good at Design & Technology"- its more important that you can generate creative ideas and have a positive attitude. We will help you develop drawing techniques; however, you can also show your ideas in many different mediums including physical models and using CAD/google sketch up.

"You just make things" - Yes, we use a variety of machines including CAM (3D printing, laser cutter) to produce prototypes and this is key to any idea development; however, the course involves so much more. You will also learn about the world/products around us, how to think creatively, learn how to effectively problem solve and we hope to nurture employable skills. Whilst also we will concentrate on developing your theoretical learning including industrial materials and processes.

What careers will GCSE Design & Technology help prepare you for?

The simple answer is any career or job that any that requires you to look at things with an analytical approach and require problem solving skills. We are a perfect subject to link Sciences and Art together, also with strong links to Physics, Maths, Photography, Geography and Art.

Examples of courses/jobs our previous students have moved onto in the past include:

Engineering—various areas.	Marketing and Advertising.	Product / Industrial Design.
Automotive Design.	Graphic Design.	Architecture.
Animation/illustration	Packaging Design.	Sustainability development.

If you want to find out more about our subject or to see the new specification, please join our Design Technology Options Showbie class: Code HTMNK. You can also use this group to ask me any questions you may have.

CREATIVITY
IS
GREAT
BRITAIN & NORTHERN IRELAND



Making the right choice—Key Stage 4 Options

GCSE Drama

Subject Leader— Mr L Norton

Why study Drama?

The GCSE Drama course has now moved over to the new specification and although the course remains very similar, there are some changes. GCSE Drama not only provides you with the opportunities to study acting and performing, but it also focuses on other areas of theatre and production such as: the history of theatre, set design, lighting, sound and performance evaluation. Pupils will have the opportunity to visit theatres and see professional companies at work, performing in plays of all varieties and genres.

On the course, you will have the opportunity to present two short productions as part of your final examination, including a scene from a published play and one which you will devise and write yourselves. Written work is an integral part of the course. You will study one set play and answer a series of questions on this in a final written examination. You will also be required to evaluate your work and the work of others both in class and through written homework and coursework. **The evaluation of live performance has been added to the specification and you will have ample opportunity to watch plays and respond to what you have seen both verbally and through written evaluation.**

The course is an enjoyable and informative study of theatre and performance, and an excellent foundation for studies in A Level Drama or Performing Arts. It will provide you with the opportunity to demonstrate a wide range of skills, while developing the valuable qualities of self-discipline, personal confidence and teamwork, which are useful in all kinds of employment. Students with an interest in performance and those who have enjoyed their studies during KS3 Drama, will be best suited to this course.

If you want to find out more, join the Drama GCSE 2017 Showbie class to see the new specification and sample assessment materials. You can also use this group to ask any questions you may have about the course. The code is : EJQRF



Exam Board

WJEC

Component 1: Devising Theatre

40% of qualification

Learners will be assessed on **either** acting **or** design.

Learners participate in the creation, development and performance of a piece of devised theatre using **either** the techniques of an influential theatre practitioner **or** a genre,

Component 2: Performing from a Text

Non-exam assessment: externally assessed by a visiting examiner

20% of qualification

Learners will be assessed on **either** acting **or** design.

Learners study **two** extracts from the **same** performance text chosen by the centre.

Learners participate in **one** performance using sections of text from **both** extracts.

Component 3: Interpreting Theatre

Written examination: 1 hour 30 minutes

40% of qualification

Section A: Learners will answer a series of questions on a set text, that they will have studied throughout the course

Section B: Learners will write an evaluation of a live theatre production that they have seen.

Making the right choice—Key Stage 4 Options

GCSE Geography

Subject Leader—Mr Bromley

How is London being shaped by globalisation, migration and a changing economy?

Can the world's biosphere cope with a population of 7 billion?

Why are parts of the UK losing 2m of land a year to coastal erosion?

Why do over 1 billion people live in squatter settlements? What are they like to live in?

If you would like to explore answers to these questions and ask your own questions about your world, then GCSE Geography is the course for you.

This brand new EDEXCEL B course provides an exciting opportunity for you to explore your world, the issues it faces and find geographically sustainable solutions to these. Through an enquiry approach, you are encouraged to use investigative skills to explore contemporary questions and issues - perfect preparation for your further study or a world of work.

Course Content and Assessment: Three units all assessed by examination

1. Global Geographical Issues (37.5%)

Hazardous world: Global climate and climate change, Extreme weather events, Tectonic hazards (earthquakes, volcanoes and tsunamis). **Development Dynamics:**

How can inequalities in development across the world be reduced? How is India managing to develop so rapidly? **Urbanising world:** What are the causes and challenges of rapid urban change? Why does quality of life vary so much within Nairobi?

2. UK Geographical Issues (37.5%)

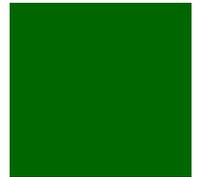
UK's physical landscape: Coastal processes and landforms, managing coastal flooding and erosion; River processes and landforms, managing river flooding. **UK's human landscape:** how is migration, globalisation and employment changing urban areas; how is London changing? **Geographical Investigation:** based on fieldwork, pupils will complete fieldwork on Investigating river processes and pressures and dynamic urban areas

3. People and Environmental Issues—Making Geographical Decisions (25%)

People and the biosphere: How the biosphere provide resources, regulate climate and water globally? **Forests under threat:** What are the threats to tropical and taiga forests - why does this affect us? **Energy resources:** How can our growing demand for energy be met without serious environmental consequences?

Fieldwork: two pieces of fieldwork will be completed, one physical and one human. We will visit the River Tillingbourne for our rivers investigation and east London for the urban investigation - both wonderful opportunities for pupils to learn hands-on.

Why study geography: the broad range of skills and techniques used in the course make geographers extremely valuable to employees (second lowest unemployment level after University) . The GCSE course builds on KS3 topics so if you have enjoyed Geography at Challoner, and have succeeded, and you want to keep learning more about contemporary issues in your world today and tomorrow — you'll love GCSE Geography.



Making the right choice—Key Stage 4 Options

GCSE History

Subject Leader—Mr Coll

- *How close has the world come to a nuclear war?*
- *How did the people of London cope during the Blitz?*
- *Why did the Civil Rights Movement develop in the USA?*
- *What was life like in Elizabethan England?*
- *Why did the USA become involved in conflict in Vietnam?*

GCSE History gives you the chance to study, discuss and argue about these and many other questions, using a wide variety of media and sources.

The main aim of the course is an ambitious one: to engage students with a broad and diverse study of the history of Britain and the wider world and give them skills that will support progression to further study of history and a wide range of other subjects. The examining board (Edexcel) has made a particular effort to design a course that pupils of all abilities can follow and enjoy.

Course Content

- Warfare and British society, c1250–present
- London and the Second World War, 1939–45.
- Superpower relations and the Cold War, 1941–91
- Early Elizabethan England, 1558–88.
- The USA, 1954–75: conflict at home and abroad.

Assessment

Three examination papers – Paper 1 30%, Paper 2 40%, Paper 3 30%



Making the right choice—Key Stage 4 Options

GCSE Food Preparation & Nutrition

Subject Leader—Mrs N McDonald

Course Details

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

Assessment 1: The Food Investigation Assessment 15%

A scientific food investigation which will assess the learner's knowledge, skills and understanding in relation to scientific principles underlying the preparation and cooking of food.

Assessment 2: The Food Preparation Assessment 35%

Prepare, cook and present a menu which assesses the learner's knowledge, skills and understanding in relation to the planning, preparation, cooking and presentation of food.

Written examination: Principles of Food Preparation and Nutrition 1 hour 45 minutes 50% of qualification

Careers

Dietitian/ nutritionist in health and/or sport, food product development, food photography, food journalism, food technologist, food marketing, food economist for media, research and development in the food industry, food scientist, chef, food business development, culinary arts management.

This course would suit you if

- You have an interest in food
- Like to learn in a practical way
- Are creative
- You would like to learn to prepare a variety of dishes
- Learn a skill for life



Making the right choice—Key Stage 4 Options

GCSE Computer Science

Subject Leader—Mr Zapata

Examination Board: EDUQAS(WJEC)GCSE Computer Science

Why study Computer Science?

It is an exciting time to be a Computer Scientist. It opens doors to future careers that do not yet exist. Skills gained explain why employers hold a positive view of Computer Scientists with an understanding of principles that can be applied to changing technologies.

Course Details

The GCSE specification encourages candidates to explore and understand how computers work and communicate in a variety of contexts. There is ample opportunity for them to apply and consolidate their knowledge of computer programming by carrying out practical tasks that will develop their capacity for imaginative, innovative thinking, creativity and independence. They will develop the skills of design and evaluation, and they will test and problem-solve when errors occur in both their own systems and those of others.

This GCSE course consists of three units giving the opportunity to students to show understanding and apply their knowledge through the three different assessments shown below.

Skills

- Numeracy – to manipulate mathematical models
- Literacy – to communicate ideas and results clearly and concisely
- ICT –to conceive, design and write working computer programs
- Problem solving – to use programming and computational thinking
- Decision making – to evaluate and act upon complex data
- Teamwork – to combine with others to achieve goals
- Time management – to be self-motivated in order to meet deadlines under pressure
- Design – to apply software engineering processes selectively

Assessment

- Component 1: Understanding Computer Science Written examination: 1 hour 45 minutes 50% of the qualification
- Component 2: Computational Thinking and Programming On-screen examination: 2 hours 30% of the qualification
- Component 3: Software Development Non-exam assessment: 20 hours 20% of qualification.

Progression: A-Level Computer Science



Making the right choice—Key Stage 4 Options

GCSE Music

Subject Leader—Mr Bridges

Specification:

OCR—GCSE Music—New 9-1 Specification for 2016

Students follow a course that aims to stimulate and develop an enjoyment and appreciation of Music through active involvement in Composing, Performing and Listening. It provides the knowledge, understanding and skills for further study and leisure. The ability to sing or play a musical instrument is vital; pupils will be required to have individual lessons on their chosen first study and practice on a regular basis in order to improve. The course would be an enormous challenge for those without prior instrumental expertise.

You will study:

- Area of Study 1: My Music (Spotlight on my instrument)
- Area of Study 2: The Concerto Thought Time
- Area of Study 3: Rhythms of the World
- Area of Study 4: Film Music
- Area of Study 5: Conventions of Pop

Coursework

You will give a total of two performances (solo and ensemble) and produce two compositions. This will be worth 60% of your total marks. The coursework requirement is a very large part of the course, and candidates will mostly need to work on this alone. An ability to stay focussed and get things done is therefore an important asset.

Listening Paper

This paper is based on music that you have studied in the Areas of Study. You will answer questions on five or six extracts of music from a variety of areas. There will be a mixture of multiple choice, structured and unstructured questions.

Creative Task

You will develop a melody from a given idea and then communicate your composition by performing it either on your instrument, through ICT or by notating it.

Requirements

- All pupils will be required to participate in a school based ensemble, and therefore concerts.
- All pupils will be required to attend rehearsals and practice their Instrument/voice regularly.



Making the right choice—Key Stage 4 Options

GCSE Physical Education

Subject Leader—Mr Manley



Why study Physical Education?

The course builds on the knowledge, understanding and skills established in Key Stage 3 Physical Education. It will give you exciting opportunities to be involved in a number of different physical activities, promoting an active and healthy lifestyle and learning all about how your body performs in different sporting environments.

You must perform in 3 different sports with at least 1 being an individual and 1 being a team sport, the 3rd selection can come from either section. A list of accepted sports does exist and can be obtained by speaking to any member of the PE department. This allows your current training sessions to be extra revision!

What will I learn?

- Develop your knowledge and refine your own practical skills in a range of physical activities.
- Examine the effects of exercise, how training can improve performance and identify the best ways of doing this.
- Investigate how your bodies systems combine to allow high level performance and maintain good health.
- Identify ways to develop and maintain a healthy and active lifestyle through participation in physical activity.
- Appreciate the benefits participation in sport can have on an individual and the society as a whole.

How will I be assessed?

The new GCSE course is assessed over 4 components. The first 2 theoretical components generate 60% of the grade with 30% coming from practical performances and 10% from coursework called your Personal Exercise Plan. The theory is assessed in 2 exams at the end of year 11.

Component 1- Topics assessed: Applied Anatomy and Physiology, Movement Analysis, Physical Training, Use of Data- Theory Exam- **36%**

Component 2- Topics assessed: Health, Fitness and Well Being, Sport Psychology, Socio Cultural Influences, Use of Data- Theory Exam- **24%**

Component 3- Practical Performance (3 Sports) - **30%**

Component 4 – Personal Exercise Plan (PEP) - **10%**

What can I do after I've completed the course?

As well as being the ideal preparation for the A Level Physical Education course, GCSE Physical Education allows for progression to related vocational qualifications in the sports industry like Fitness Instructor and Personal Trainer courses. The GCSE Physical Education course is also excellent preparation for the Sports Leaders courses that are run within the PE department.

Making the right choice—Key Stage 4 Options

BTEC Level 1 Construction Course

Subject Leader—Mrs C Owen
Lead Teacher—Mr A Norton



The BTEC Level 1 Extended Certificate in Construction is a work-related qualification that gives learners the knowledge, understanding and skills they need to prepare to extend their skills at college or in employment. The course itself comprises largely of practical work with a folder of evidence running throughout to support each unit.

At Richard Challoner we study various different units to enable students to learn and practise a varied of number of skills including:

- Woodwork
- Bricklaying
- Decorating
- Painting

This is a two year course, open to a small number of boys who may be interested in pursuing a career in the construction or building trade. The aim is to provide a bridging qualification that would help them obtain a college place or even an apprenticeship at the end of Year 11. The course is delivered at school in our “construction classroom”. All the necessary equipment and protective clothing required will be provided.

The BTEC level 1 Construction course currently contains the following unit choices:

- Health and Safety and Welfare in Construction.
- Developing Bricklaying, Carpentry and Joinery Skills.
- Developing Construction, Painting, Decorating.

There will be only be ONE presentation on this course at options evening.

It will be delivered in the main hall, at the end of the main initial presentation that outlines the structure of evening.

Making the right choice—Key Stage 4 Options

Games Programme

Subject Leader—Mr Walsh



At Key Stage 4 all pupils follow a varied curriculum of individual and team sports/activities, this includes traditional team games covered during Key Stage 3 as well as individual recreational activities.

Included in the course are Squash, Ten-Pin Bowling, Softball, Athletics as well as Football and Rugby. A series of lessons will be held in the school gym and focus on pupils creating and implementing an individual training programme, which they can then utilise as part of the extra – curricular programme.

Use is made of New Malden Squash & Tennis Club and Hollywood Bowl in Tolworth. For these activities, pupils are expected to make their way independently to and from the venue following afternoon registration.

The school will continue to run Saturday morning fixtures throughout the Autumn (Rugby) and Spring (Football) term as well as competing in National, County and District Competitions.

Basketball, Cricket and Athletic fixtures are usually held during the week. Collection, analysis and evaluation skills, confidence in qualitative and quantitative data, decision making, and an appreciation of different cultures.

Making the right choice—Key Stage 4 Options

Level 3: Education & Training Pathways Post-16

Person to speak to about this—Mr I O'Brien

The law requires all young people in England and Wales to stay in learning, training, or employment with training, until they're 18. This table shows the three education and training pathways open to students after GCSEs.

Full-time Education <i>In schools or colleges</i>		Apprenticeships <i>On the job training</i>	Employment & Training <i>Temp training & work</i>
Academic Courses <ul style="list-style-type: none"> AS (1 year) <i>Advanced Subsidiary</i> A2 (2 years) <i>Advanced Level</i> IB (2 years) <i>International Baccalaureate</i> (offered in some schools/ colleges) 	Vocational Courses <ul style="list-style-type: none"> BTEC, NVQ, OCR etc. e.g. Animal Care, Catering, Plumbing. Technical Level Qualifications Available in 10 fields e.g. Business, Construction, Engineering, ICT. 	<ul style="list-style-type: none"> Paid employment +1 day a week at college Intermediate L2 training, equivalent to 5 A*-C GCSEs Advanced L3 training in a vocational qualification. Equivalent to 2 A Levels 	<ul style="list-style-type: none"> 6 month programmes work experience placement work preparation training English and maths support if required
Academic and vocational courses can be combined. Both offer pathways to university (Higher Education).		For more info: www.gov.uk/apply-apprenticeship www.afc-futurehub.org.uk	

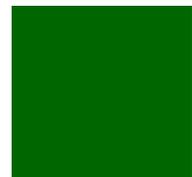
Holy Cross/Richard Challoner Sixth Form Partnership

Minimum Entry Requirements: 5 A*-C, including English and Maths, and Grade B for subjects you wish to take.

<u>Courses for which Grade B at GCSE in that subject is a requirement:</u>	<u>Grade B (or above) in the subject is highly desirable:</u>	<u>Not essential (e.g. the subject is not taught at GCSE):</u>	<u>Not taught – so a Grade C in English, and/or a Level 2 Merit is required or preferred:</u>
Computer Science*+, English Literature, English Language, French, Music, Music Technology, Maths, Further Maths, Spanish. Students who want to study a science subject – Biology* , Chemistry* , or Physics* - should have B or above in that science AND another, or preferably grade As in BOTH Core and Additional Science.	Art & Design, Art Textiles, DT, Drama, Geography*+, History*, PE, RE*. Students who want to study PE should have a grade B in Biology or Bs in Core & Additional Science	Subjects requiring both English and Maths grade B: Business Studies Psychology# Subjects requiring English grade B: Government & Politics Media Studies Sociology	English & Maths grade C required: BTEC Health & Social Care - both BTEC IT - both BTEC Media – English BTEC Performing Art – English, Drama and/or Music. BTEC Science – Maths and BOTH Sciences Sports Award – both preferred.
*Grade B in English Language also required + Grade B in Mathematics also required #Grade B in two sciences also required			

NOTES

Room to make any important notes about your potential options choices.





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