

RVHS Sixth Form Provision graded "Outstanding"

Ofsted 2022



# SIXTH FORM











# Welcome from Mrs Curli

ASSISTANT HEADTEACHER & DIRECTOR OF SIXTH FORM



Life as a Sixth Form student at Roding Valley is both challenging and rewarding. Student academic progress and personal development is our core purpose. We support our students to be successful in all that they do as we empower them to take their next steps with confidence.

Learning is led by inspiring teachers in an academically stimulating environment and with over thirty A-Level, CTEC and BTEC courses available, we will help you achieve your potential in whatever field you choose. Students are given opportunities to learn in a mature, rigorous and innovative environment. Alongside the gains made academically, our students are also equipped with a range of skills and attitudes such as independence, responsibility and resilience that prepare them for success in the wider world.

You can trust us to guide you for the next steps of your education – students are supported in securing their first choice universities, and the academic progress made within the Sixth Form is quite simply exceptional. Our results are considered outstanding and progress made by students is amongst the very best in England for both schools and colleges.

Whilst we are extremely proud of our excellent results, we also have a desire to develop our students into confident individuals and responsible citizens. All students are encouraged to contribute to the wider-life of the Sixth Form by becoming involved in enrichment activities, charity events and fundraising initiatives. We expect the highest standards from our Sixth Form students and they act as role-models to the younger pupils as we offer them positions of responsibility and leadership.

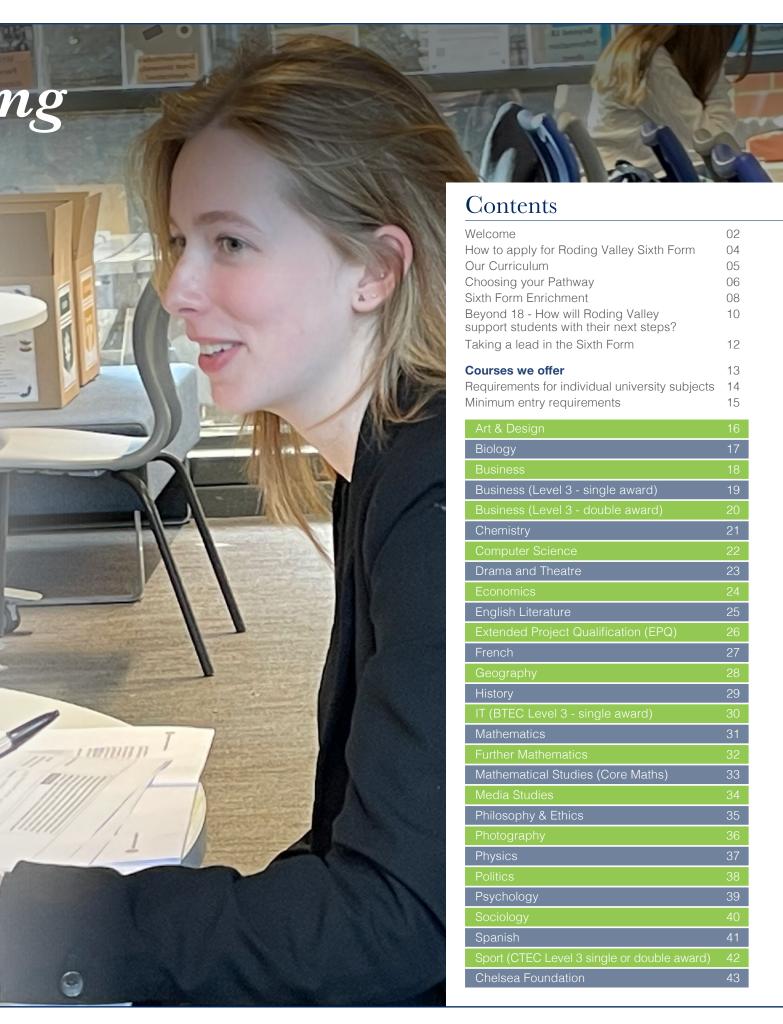
Students who choose to join our Sixth Form are expected to have high aspirations and high levels of motivation to succeed. Each student is fully supported by our academic and pastoral teams, thus supporting them in becoming well-rounded individuals. Our students are fully advised on all post-18 options that are available to them and are supported in their pursuit of securing places in Higher Education, apprenticeships or the workplace. We are confident that students will enjoy the challenge of learning here and will leave us with both academic excellence and lasting memories.

We would thoroughly recommend that you experience for yourself the inspiring ethos of our Sixth Form and we look forward to welcoming you into the Sixth Form community.











# How to apply for Roding Valley Sixth Form

Our application process uses a tool called **Applicaa**. Details can be found in the Sixth Form section of our website, or simply scan the QR code at the bottom of this page. We look forward to reading your application.

### **Timeline**



# February - April 2024 All applicants will be interviewed by a member of the Senior Leadership Team



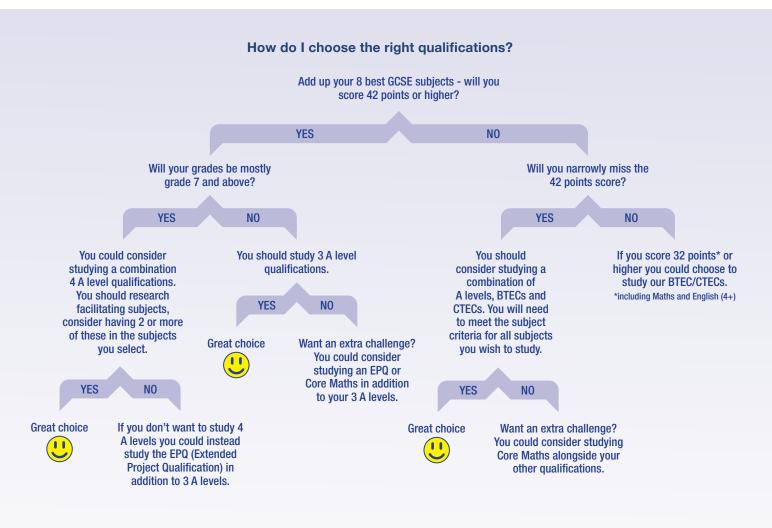
### Our Curriculum

Roding Valley High School offers a diverse range of level 3 qualifications. We focus on offering an academic provision of predominantly A level courses to offer a broad curriculum for our students.

### **Entry Requirements**

Students must achieve a grade 4 in English Language and Maths to qualify for Sixth Form.

In order to ensure that students are on the right curriculum pathway, we use a points score. Students need to achieve 42 points or more in order to study 3 A level qualifications. This is calculated by adding up the 8 best GCSE grades students achieve. For example, a 6 in Maths, is equivalent to 6 points, a 7 in English Literature could be added to this for 13 points. In addition to this, students will also need to meet the entry requirements for individual subjects, which are listed on the pages which follow.



"The quality of education in the sixth form is especially strong"

Ofsted 2022



# Choosing your Pathway

We want your time in Sixth Form to be as rewarding as possible and therefore aim to provide you with every opportunity to achieve success. As such, we offer a wide range of subjects (both A levels and Vocational courses) and expect all students will take three subjects to the end of Year 13.

Some very able students may be able to take four A Levels. These students would usually have achieved at least 5 GCSEs at grade 9-7, particularly in those subjects they wish to study for A level. In addition, we would expect an Average Point Score of 7.5 or above (the APS is an average of the GCSE results).

Students in Year 12 may also have the opportunity to study for the Extended Project Qualification and Core Maths.



# "Teachers have strong subject knowledge especially in the sixth form" Ofsted 2022

### How to select your subjects

Before you apply to Sixth Form you should already have thought about your subject choices and discussed your decisions with teachers, parents and careers staff. You will be studying the three subjects you choose for the next two years, so it is important that you think carefully about your choices.

We also offer subjects which you will not have studied before at GCSE. You should look through the pages within this prospectus and the examination board specifications before making your choices. Ultimately the decision is your own, providing you meet the entry requirements, but you may wish to take into consideration these ideas:

Select subjects you enjoy. You are the person who
will be studying them for two years so do not make
a selection because someone else wants you to
study a particular subject.

### Join us at our Sixth Form Open Evening, Wednesday 29th November 2023.

- Research the subjects in which you are interested.
  Find out about assessment and how you will be
  examined. If there is practical work, find out the
  nature of this work- group or individual, and what
  percentage of the final examination it constitutes.
  Think about whether or not subjects require
  coursework and think especially carefully about
  taking several subjects with coursework deadlines
  that may fall within a narrow time frame.
- Take subjects which you are good at. This may seem obvious but this should certainly be taken into consideration. Students should be cautious that they do not take too many subjects of the same type e.g too many practical subjects or too many new subjects. A combination will give studying more variety.
- Your future career plans- remember that some
   University courses have prerequisites for entry.
   You can look at entry requirements for courses on
   www.ucas.com under 'course search'. Speak with
   our Careers Advisor for more information.
- If you have no career in mind, keep your options open. The Russell Group of leading universities have provided the following website www.informedchoices.ac.uk/ to help with choosing courses for students who are unsure of their future plans.





### Sixth Form Enrichment

All students will undertake enrichment during their time in sixth form. At Roding Valley we are committed to allowing students to grow outside of their academic study and aim to give students opportunities to pursue a hobby, research something that interests them or give some back to the school or local community.

### **Extended Project Qualification (EPQ)**

The EPQ is an exciting opportunity for students to study independently on a topic which interests them. Over the course of two years of enrichment study, students will become familiar with research methods, read widely on a topic that interests them, build their own hypothesis and create a "dissertation" type piece of writing which showcases what they have found out.

This qualification is equivalent to half an A level and students will receive a grade which would contribute to UCAS points in the future. It is incredibly beneficial for university and the world of work applications. The EPQ is viewed positively for the following reasons:

- Builds independence and drive
- Showcases an interest, outside of A level study
- Provides students with invaluable research skills
- · Demonstrates academic rigour

This is the most challenging enrichment option we offer at Roding Valley, but it is also the most valuable. This qualification has been known to have been factored into offers from universities when applications are made.

More information can be found on the subject pages that follow.

# Level 3 Mathematical Studies (Core Maths)

This qualification is equivalent to half an A level and students will receive a grade which would contribute to UCAS points in the future. It is designed for students who achieved a 6 or lower in their Maths GCSE and study a subject which requires some mathematical understanding in their final exams, but do not study A level Maths. It is designed for students to retain, deepen and extend their knowledge and skills from GCSE. To universities and employers alike, this qualification demonstrates a student's aptitude and an interest in Maths, beyond their regular curriculum.

This qualification is an excellent option if students choose to study, one or more of the following:

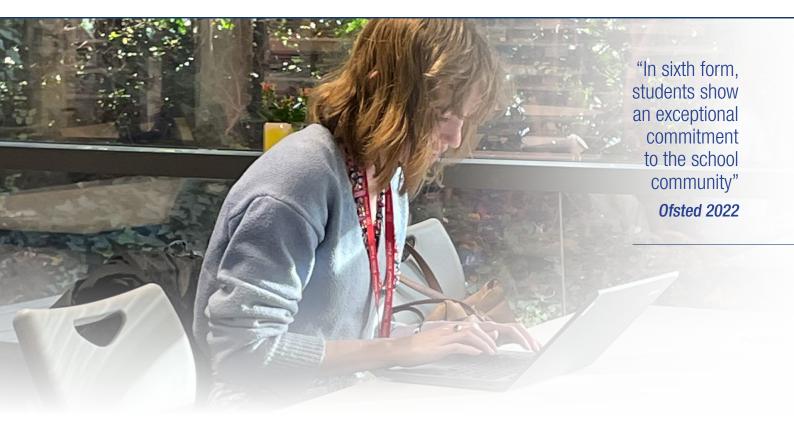
- Business
- Economics
- Biology
- Chemistry
- Physics
- Psychology
- Geography
- Computer Science

More information can be found on the subject pages that follow.









### **Debating Club**

Students could choose to engage with our debating club which meets once a week. A range of interesting and controversial hypotheses are considered by the house to encourage healthy debate and considered argument. Students will also play an active role in the Mock Bar Trial competition which Roding Valley competes in every year. As sixth formers, students can choose to participate or mentor younger students to lead their team to a win.

### **Student Magazine**

Sixth Formers play an integral role in ensuring that our school magazine reports on a wide range of informative, relevant and interesting topics every term. Student could choose this as their enrichment and be offered a prestigious role such as editor or photographer. This is an opportunity for sixth formers to take the lead and ensure that Roding Valley is speaking up for what's relevant to them.

### **Student Mentoring**

In the sixth form we run a mentoring programme once a week, where lower school students are assigned a sixth form mentor to support them with school life. Sixth formers provide a wealth of relatable experience for our younger students and learn how to take on this important leadership role.

### **Subject Mentoring**

If a student has a particular passion for a subject, they could choose to support a department in school by offering in class mentoring support. By working with departments students can share their experiences of excelling in a particular subject area and can empathise and encourage students to overcome any academic challenges they might face.

### **Sports Clubs**

Students are encouraged to set up sports clubs of their choice for the sixth form and younger year groups.

### **Duke of Edinburgh Award**

At Roding Valley we run the Duke of Edinburgh Award at Bronze, Silver and Gold level. This prestigious qualification demonstrates a whole range of skills and helps students stand out from the crowd with any future applications they might make.

### **Volunteering**

We encourage our sixth form students to be active citizens in the local community. They can choose to get a weekly volunteering placement as part of their enrichment. This might be in a charity shop, coaching at a local primary school or visiting a nursing home or hospice.



# Beyond 18 - How will Roding Valley support students with their next steps?

At Roding Valley, we are committed to ensuring that students leave to pursue destinations which they are passionate about and are aspirational for them. Students will find that they get support with their plans from the first term in sixth form, right until the end of year 13 through our "**Beyond 18 Programme**". The support we offer is deliberately designed to support students seeking pathways to the most prestigious universities and higher level apprenticeships as we recognise that students have a plethora of choice in the routes they can take after A levels.

### **Careers Curriculum**

Careers is integrated into our bespoke Personal Development programme which runs throughout a student's sixth form journey. This is run by a combination of academic mentors, the sixth form leadership team and outside speakers. We prepare students for both university and world of work pathways and students should expect to be upskilled in the following areas:

Preparing for making university applications	Preparing for applying for apprenticeships and the world of work
Navigating UCAS	What is an apprenticeship?
Writing a personal statement	Making an application
Picking the right university course	CV writing
Student finance	Employer talks/visits

### Work shadowing

All students will be supported and encouraged to find a minimum of one work shadowing placement during their time in sixth form. This will take place in the final week of year 12 and helps ensure that students have practical experience of the world of work, prior to them making important decisions about their futures in year 13.

### **Careers Talks**

We feel very privileged to work with a range of employers and due to these connections we are able to offer students fortnightly careers talks to widen their understanding of different sectors. In the last year students have benefitted from talks from Hill Construction, CapGemini, EY, Haslers, Media 10, The Times, BGC, Bank of England, KPMG and Salesforce, just to name a few.

### **Careers Fest**

Our annual Careers Fest to be held in March 2024 enables students to speak to employers, institutes, universities and apprenticeship providers. The event provides further networking and communication development, our aim is to inspire students, raise aspirations and give them the opportunity to fully research future options.

# Sixth Form Bulletin and Careers Microsite

The weekly sixth form bulletin contains information about Post 18 pathways including current apprenticeship vacancies, work experience, insight events, webinars and university open days. The Roding Valley Careers Microsite is another valuable resource designed for parents and students to thoroughly research future pathway options.



### **Careers Advice**

Throughout their sixth form journey students will have access to our Careers Advisor. Mrs Mason. Personal advice and guidance is available for all pathways with appointments for parents and students available upon request.

### **Trips**

All students are invited on a trip to visit the University of Kent in year 12 so that they have had the opportunity to visit a well regarded campus university. For those following the Oxbridge pathway, students can benefit from trips to Oxford/Cambridge. During these trips, students will be able to engage with workshops on applications, learn about university life and take a tour of the campuses.

### **Oxbridge**

For students interested in studying at Oxford or Cambridge University, RVHS runs an 'Oxbridge Programme' over the two year course where students will receive workshops on the application process, write a personal statement and take part in a Q and A session with an Oxbridge student. We often meet with our Oxbridge alumni who offer their experiences and insights in making applications and what Oxbridge life is like

Trips to both universities are available in the spring term. Students will be able to have a tour of the campus; visit a taster lecture; and take part in activities to stretch and challenge them beyond their comfort zone.

"Students in sixth form benefit from a rich personal development curriculum. As a result they develop excellent levels of commitment to their education and to their community."

**Ofsted 2022** 



## Taking a lead in the Sixth Form

Being part of an 11-18 school means that sixth formers can step up and take the lead. At Roding Valley we offer many different opportunities for students to find the leadership role that suits them. This might allow them to build their leadership and communications skills, but equally give them the opportunity to work with different



Student Executive

charities, mentor younger students and share their experiences with other members of the school community.

These opportunities are all part of our commitment to providing students with experiences outside the classroom and developing transferable skills which they will need after sixth form.

The diagram below outlines the opportunities for sixth formers at Roding Valley Sixth Form.

### **Student Executive**

Head Boy / Head Girl Deputies

This group oversees the student leadership of the whole school. It is an opportunity for four sixth formers to lead the student body and make a real difference in our school community.

This is a prestigious role for students who strive to work with staff and students.

### **Subject Ambassadors**

We believe that sixth formers are important role models to the rest of the school in demonstrating academic values and an enthusiastic nature towards their studies. Subject Ambassadors represent, promote and support their subject areas. This is a great role if a student is particularly passionate about a subject.

### **House Captaincy**

Roding Valley prides itself on the healthy competition and charitable nature that is encouraged by our house system. We have five houses, Churchill, Hawking, Murray, Rendall and Pankhurst.

Our sixth formers are at the forefront of this as they lead their houses as House Captains and Deputy House Captains. This includes competitions and charity events.



### **House Leaders**

(Years 7-11) are led by the House and Deputy House Captains.

### Sixth Form Captains

Within the sixth form, we have a group of students who lead sixth form events, promote a positive ethos and help with the integration of different groups in the sixth form



"Pupils participate with pride in leadership opportunities. Pupils value that their voice is heard"

**Ofsted 2022** 

### **Subject Leaders**

(Years 7-12) are led by the subject ambassadors.





# Requirements for Individual University Subjects

Some university courses require specific A Levels. Knowing this now may help you to make an informed selection.

### **Medicine/Dentistry**

8/9 grades at GCSE Sciences and Mathematics. A Level in Chemistry, Physics and Mathematics.

### **Veterinary Medicine**

8/9 grades at GCSE in Sciences and Mathematics.

It is best to have three A Levels in subjects, such as Sciences/ Mathematics. The fourth subject can be another science or a subject which can show a different skill or method of learning.

For prospective Medics and Vets there are also pre-entry tests (BMAT and UKCAT) which some institutions require to be taken.

### **Education-Primary**

A Levels in at least one National Curriculum subject (which is taught in primary school).

### **Economics**

Some institutions require Maths A Level.

### Law

No specific subjects are normally required, however, it is recommended to have at least one extended writing subject at A Level, such as RS, History, Geography or English.

### **Engineering**

Physics and Mathematics are essential.

### **Psychology**

A Science is normally required, Biology is preferable. Institutions will normally accept Psychology A Level as a science.

For vocational degrees i.e. degrees which lead to a specific career, you should undertake work experience in a relevant area.



# Minimum entry requirements

Subject	Minimum required grade where subject has been studied at GCSE	Alternative where subject not studied at GCSE
Art & Design	6	1
Biology	6	66 in Combined Science
BTEC Business (Single or double)	1	4 in English Language and Maths, APS of 32 or more.
Business	6	6 in English* and Maths
Chemistry	6	66 in Combined Science
Computer Science	6	6 in English* and Maths
Drama and Theatre	6	5 in English*
Economics	6 in Business or Economics	6 in English* and Maths
English Literature	6	1
Extended Project Qualification (EPQ)	1	5 in English*
French	6	1
Geography	6	1
History	6	1
BTEC IT	1	4 in English Language and Maths, APS of 32 or more.
Mathematics	7	1
Further Mathematics	8	1
Mathematical Studies (Core Maths)	4 in Maths	1
Media Studies	6	6 in English* or a humanities subject
Philosophy and Ethics	6 in RS	6 in English* or a humanities subject
Photography	6 in Art or Photography	1
Physics	6	66 in Combined Science
Politics	6	6 in English* or a humanities subject
Psychology	6	6 in English* and 6 in Science or Maths
Sociology	6	6 in English* or a humanities subject
Spanish	6	/
CTEC Sport (Single or Double)	4 in PE and 4 in English Language and Maths, APS of 32 or more.	4 (or equivalent) in Sports Studies

<sup>\*</sup> English refers to either English Language or English Literature
A humanities subject includes: Geography, History, RS, Sociology and Psychology
Subjects in Italics are in addition to three choices.



# Art & Design (AQA)

### **Programme of Study:**

### Year 1

- Teacher led project on a set theme e.g., 'Journeys', Structures', etc. Broadly follows the same format as the GCSE method of working but with a higher expectation of a deeper level of understanding of concepts and development of ideas.
- **Component 1:** Personal Investigation (60%). Students to investigate a theme of their choice to develop into a major project.

### Year 2

- Completion of Component 1: Personal Investigation by January
- 3000 word essay to accompany Component 1 project work.
- 10 hour/2 day PPE practical exam end of January to create final piece for Component 1 project.
- February Component 2: Externally set assignment. 5 themes set by the exam board.
   Select a theme to develop into a project.
- 15 hour/3 day exam to create a final piece for Component 2 project (May)

### **Assessment**

- Component 1: Personal Investigation + essay = 60% of final grade
- Component 1 10 hour/2 day PPE end of January in Year 13
- Component 2: Externally Set Assignment = 40% of final grade
- Component 2 15 hour/3 day PPE in May of Year 13

### **Entry Requirements**

GCSE Grade 6 or above in Art and Design. Compulsory completion of the summer homework tasks set just before the start of Year 12.

# **Recommended Reading and Subject Enrichment**

Collings, M (2000), *This is Modern Art*, Weidenfield and Nicholson.

Hughes, R (1980), *The Shock of the New*, BBC Gombrich, E (1950), *The Story of Art*, Phaidon Regularly visiting art galleries and art exhibitions will be the most significant form of research.

### **Higher Education and Career Pathways**

Studying art and design at this level helps to develop opportunities to pursue further studies at art colleges and universities. The UK, especially London, is still a world leader in creative industries such as architecture, advertising and product design.

### **Complementary Subjects**

Photography, Media and English



For Further Information
https://rodingvalley.net/sixth-form/applying-for-sixth-form

# Biology (AQA)

### **Programme of Study:**

Year 1	Year 2
<ol> <li>Biological molecules</li> <li>Cells</li> <li>Organisms exchange substances with their environment</li> <li>Genetic information, variation and relationships between organisms</li> </ol>	<ul><li>5. Energy transfers in and between organisms</li><li>6. Organisms respond to changes in their environments</li><li>7. Genetics, populations, evolution and ecosystems</li><li>8. The control of gene expression</li></ul>

### **Assessment**

Paper 1: Any content from topics 1-4, including relevant practical skills

Written exam: 2 hours. 91 marks. 35% of A-level

**Paper 2:** Any content from topics 5–8, including relevant practical skills

Written exam: 2 hours. 91 marks. 35% of A-level

Paper 3: Any content from topics 1–8, including relevant practical skills

Written exam: 2 hours. 78 marks. 30% of A-level

### **Entry Requirements**

Grade 6 or above in Biology if studying Triple Science at GCSE. G66 if studying Combined Science at GCSE.

### **Recommended Reading**

- The Incredible Unlikeliness of Being, Alice Roberts
- 2. The Epigenetics Revolution, Nessa Carey
- 3. New Scientist
- 4. Nature
- 5. Junk DNA, Nessa Carey
- 6. The Red Queen, Matt Ridley
- 7. The Energy of Life, Guy Brown
- 8. Life Ascending, Nick Lane
- 9. Bad Science, Ben Goldacre
- The Immortal Life of Henrietta Lacks, Rebecca Skloot

### **Enrichment Activities**

- The Royal Society for Biology's Olympiad
- Y12 Ecology field trip
- Summer Exhibition at the Royal Society
- In2MedSchool

### **Higher Education and Career Pathways**

Because biologists deal with the natural world, their jobs can take them anywhere, from labs to zoos to ocean liners in the arctic and fieldwork in the Amazon jungle. Biology is a key subject for lots of STEM careers, particularly in healthcare, medicine and jobs involving plants or animals. The list is long and includes: nursing, dentistry, forensic science, psychology, physiotherapy, botany, environmental science, zoology, geology, oceanography, pharmaceuticals, energy, teaching, science writing, genetics and research. It is also important to remember that biology is excellent preparation for non-scientific careers, thanks to the skills it provides – everything from analytical thinking to writing reports.

### **Complementary Subjects**

Maths, Chemistry, Physics, Psychology





# Business (Edexcel)

### **Programme of Study:**

# In the first year you will cover two learning areas. In the second knowledge Theme 1: Marketing and People Theme 3:

- Meeting customer needs
- The market
- Marketing mix and strategy
- Managing people
- Entrepreneurs and leaders

### **Theme 2: Managing Business Activities**

- Raising finance
- Financial planning
- Managing finance
- Resource management
- External influences

There is a significant emphasis on using quantitative mathematical methods to analyse data in order to suggest strategies for business scenarios.

In the second year you will build on that solid knowledge-base with another two themes

### Theme 3: Business Decisions and Strategy

- Business decisions and strategy
- Business growth
- Decision-making techniques
- Influences on business decisions
- Assess no competitiveness
- Managing change

### **Theme 4: Global Business**

- Globalisation
- Global markets and business
- Expansion
- Global marketing
- Global industries and companies (multinational corporations)

### **Assessment**

There are 3 exams at the end of the A level course. All 3 exams are 2 hours long. Paper 1 will examine content from theme 1 and 4. Paper 2 will examine content from theme 2 and 3. Paper 3 will examine content synoptically across all 4 themes and will be based on a pre-release case study research task. The research task is released in December before the summer exams. Paper 1 and 2 each attribute 35% of the final mark, whilst paper 3 makes up the final 30%.

### **Entry Requirements**

Where students have studied Business Studies they must achieve a minimum of a grade 6. If a student has not studied GCSE Business, students will need a 6 in English AND Maths.

# **Recommended Reading and Subject Enrichment**

Students should read Economics and Business news to better understand the content taught.

We often organise visits to the Bank of England, Europa House and revision conferences.

### **Higher Education and Career Pathways**

Students often go on to study Business related subjects at degree level. Students often choose to pursue a career in fields ranging from banking, sales, product management and general management to working in public sector organisations or charities.

### **Complementary Subjects**

Maths and Geography A levels are excellent choices that support students in their attainment in Business. If students do not take A level Maths, we do recommend they study Core Maths as their enrichment choice.



### For Further Information

# BTEC Business (Pearsons)

# BTEC Level 3 National Extended Certificate in Business (Single Award)

### **Programme of Study:**

Year 1	Year 2
Unit 1 - Exploring a business Unit 2 - Developing a Marketing Campaign	Unit 3 - Personal and Business Finance Unit 16 - Recruitment and Selection

### **Assessment**

Unit 3: Personal and Business Finance 3hrs

Unit 2 exam: Developing a Marketing Campaign 3hrs

Coursework: Unit 1 and Unit 16

### **Entry Requirements**

Students must achieve a minimum of a grade 4 in English Language and Maths as well as a total points score of 32 from their 8 best GCSEs.

### Recommended Reading and Subject Enrichment

- Anyone can do it Duncan Bannatyne
- The Rise And Fall Of Marks & Spencer: and How It Rose Again Judi Bevan
- What You See Is What You Get: My Autobiography by Alan Sugar
- Management in ten words by Terry Leahy
- Screw it let's do it Richard Branson www.youtube.com/watch?v=h9FkeyvdA2M
- The Virgin Way Richard Branson o Audio Book FREE - https://www.youtube.com/ watch?v=5wz40rdz7i4
- The New One Minute Manager Blanchard
   & Johnson or Audio Book FREE https://www.youtube.com/watch?v=ar4lrwXM4ao
- Wake Up and Change Your Life by Duncan Bannatyne https://www.youtube.com/ watch?v=zqLVkMeJwE4&list= PLosYlgqow JvEC mirOpdII\_Ynw5Lb4 M-Tf&index= 10&t=0s

Trips could include visits to Barclays HQ, Belgium, London Westfield's, Bank of England and Capgemini to give learners a real life insight to how businesses operate.

### **Higher Education and Career Pathways**

The extended certificate is for learners who are interested in learning about the business sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in business-related subjects. It is designed to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels. The skills and knowledge you will develop on this course are designed to meet the current demands of industry and commerce, and you will find that many of the skills are transferable and will have currency in a wide range of careers from retail to finance, marketing, events management, sales and customer service roles.

### **Complementary Subjects**

Maths and Geography A levels are excellent choices that support students in their attainment in Business. If students do not take A level Maths, we do recommend they study Core Maths as their enrichment choice.





# BTEC Business (Pearsons)

### BTEC Level 3 National Diploma in Business (Double Award)

Equivalent in size to two A Levels. 8 units of which 6 are mandatory and 3 are external. Mandatory content (83%). External assessment (45%).

Unit	Internal/external	   Mandatory/Optional	Unit size
		3 .	
Exploring business	Internal	М	90 credits
Marketing Campaign	External	М	90 credits
Personal and Business Finance	External	М	120 credits
Managing an Event	Internal	М	90 credits
Principles of management	External	М	120 credits
International Business	Internal	М	90 credits
Recruitment and selection	Internal	0	60 credits
Customer service	Internal	0	60 credits
Market research	Internal	0	60 credits
Training and development	Internal	0	60 credits
Team building in business	Internal	0	60 credits

### **Entry Requirements**

Students must achieve a minimum of a grade 4 in English Language and Maths as well as a total points score of 32 from their 8 best GCSEs.

### **External Assessments**

The styles of external assessment used for qualifications in the business suite are:

- Examinations all learners take the same assessment at the same time, normally with a written outcome
- Set tasks learners take the assessment during a defined window and demonstrate understanding through completion of a vocational task.

# Recommended Reading and Subject Enrichment

Students should read Economics and Business news to better understand the content taught. We often organise visits to the Bank of England, Capgemini and revision conferences.

### For Further Information

https://rodingvalley.net/sixth-form/applying-for-sixth-form

### **Higher Education and Career Pathways**

Students often go on to study Business related subjects at degree level. Students often choose to pursue a career in fields ranging from banking, sales, product management and general management to working in public sector organisations or charities.

### **Complementary Subjects**

Maths and Media A levels are excellent choices that support students in their attainment in Business. Where students are unable to take A level Maths, we do recommend they study Core Maths.



# Chemistry (AQA)

### **Programme of Study:**

### Voor 1

### 1. Physical chemistry

Atomic structure, amount of substance, bonding, energetics, kinetics, chemical equilibria, Le Chatelier's principle and Kc, oxidation, reduction and redox equations

### 2. Inorganic chemistry

Periodicity, group 2: the alkaline earth metals, group 7: the halogens

### 3. Organic chemistry

Introduction to organic chemistry, alkanes, halogenoalkanes, alkenes, alcohols, organic analysis

### Year 2

### 4. Physical chemistry

Thermodynamics, rate equations, electrode potentials and electrochemical cells, acids and bases

### 5. Inorganic chemistry

Properties of period 3 elements and their oxides, transition metals, reactions of ions in aqueous solution

### 6. Organic chemistry

Optical isomerism, aldehydes and ketones, carboxylic acids and derivatives, aromatic chemistry, organic synthesis, NMR, chromatography

### **Assessment**

**Paper 1:** Relevant Physical and Inorganic Chemistry, including relevant practical skills Written exam: 2 hours. 105 marks. 35% of A-level

Paper 2: Relevant Physical and Organic Chemistry, including relevant practical skills

Written exam: 2 hours. 105 marks. 35% of A-level **Paper 3:** Any content and any practical skills Written exam: 2 hours. 90 marks. 30% of A-level

### **Entry Requirements**

Grade 6 or above in Chemistry if studying Triple Science at GCSE or G66 if studying Combined Science at GCSE.

### **Recommended Reading**

- 1. New Scientist
- 2. Nature
- 3. Chemistry World
- 4. Periodic Tales: The Curious Lives of the Elements, Hugh Aldersey-Williams

### **Enrichment Activities**

- The Royal Society for Chemistry's Olympiad
- Summer Exhibition at the Royal Society
- In2MedSchool

### **Higher Education and Career Pathways**

Since chemistry is the study of how the elements of our world work together, careers in this area can range from anything from designing cars to space exploration. Chemistry will help you get ahead in most STEM (science, technology, engineering and maths) careers and more besides. Chemistry is an important subject for careers in: medicine, environmental

science, engineering, toxicology, developing consumer products, metallurgy (studying how metals behave), space exploration, developing perfumes and cosmetics, pharmaceuticals, energy, teaching, science writing, software development and research.

### **Complementary Subjects**

Maths, Biology, Physics





# Computer Science (OCR)

### **Programme of Study:**

### Data types and structure Programming Project Programming techniques Thinking Logically Computational Thinking Thinking Procedurally Algorithms Thinking Concurrently Databases Boolean Algebra Software Development Input, output and storage Hardware Compression, encryption and hashing Operation System/Applications Networks Web Technologies Legislation Ethical, moral and cultural issues

### **Assessment**

Paper 1: Computer Systems 2hrs 30mins 40%

Paper 2: Algorithms and Programming 2hrs 30mins 40%

Coursework: Programming Project 20%

### **Entry Requirements**

A minimum of a Grade 6 in Maths and English. Where students have studied Computer Science at GCSE, we require them to have achieved at least a Grade 6.

### **Recommended Reading and Subject Enrichment**

OCR A Level Computer Science by George Rouse, Jason Pitt, Sean O'Byrne; My Revision Notes OCR A Level Computer Science by George Rouse, Sean O'Byrne, Jason Pitt https://craigndave.org/

### **Higher Education and Career Pathways**

Computer Science A level is a firm foundation for higher education or employment pathways in a range of technology design or management, programming, project management etc. You could also work for an organisation, go on to study a technical apprenticeship or code the next big thing in technology.

### **Complementary Subjects**

Students who take Computer Science tend to have strengths in *Maths* and *Physics*. If you like to think about tasks and issues in a systematic way then you would enjoy studying this subject.

### For Further Information



# Drama & Theatre (Eduqas)

### **Programme of Study:**

<ul> <li>Practitioner introductions:</li> <li>Stanislavski</li> <li>Brecht</li> <li>Artaud</li> <li>Frantic Assembly</li> <li>Paper Birds</li> <li>Splendid</li> <li>Component 2 - Text in Action exam</li> <li>Component 3 - Text in performance exam</li> </ul>	Year 1	Year 2
<ul> <li>Component 1 - Theatre workshop exam</li> <li>Component 3 prep</li> </ul>	<ul> <li>Stanislavski</li> <li>Brecht</li> <li>Artaud</li> <li>Frantic Assembly</li> <li>Paper Birds</li> <li>Splendid</li> <li>Component 1 - Theatre workshop exam</li> </ul>	·

### **Assessment**

**Component 1:** Theatre workshop (20%) - practical performance and creative log **Component 2:** Text in Action (40%) - externally assessed performance (devised and scripted) and written evaluation report.

**Component 3:** Text in Performance (40%) - written exam on the set texts: *Saved* (Bond), *Cat on a Hot Tin Roof* (Williams) and *The Curious Incident of the Dog in the Night-Time* (Stephens)

### **Entry Requirements**

Grade 6 in Drama or Grade 5 in English.

Where a student has not studied Drama GCSE, we would consider a comparable performing arts background.

### Recommended Reading and Subject Enrichment

All, students are asked to read around the subject and maintain independent learning journals. Appropriate texts might include:

- Stanislavski and the Actor (Benedetti)
- The Frantic Assembly Book of Devising Theatre (Graham)
- The Complete Brecht Toolkit (Unwin)
- Theatre in Practice a student's handbook (our course textbook)

Theatre trips, access to streamed theatre and working with visiting companies, such as Splendid Productions, are regular features of the course. We expect A Level students to go to the theatre regularly. Our A Level students will also be asked to coordinate and direct the school production, under the mentorship of the Creative Arts team.

Currently, our set texts for the A Level Course are *Saved*, by Edwards Bond, *Cat on a Hot Tin Roof*, by Tennessee Williams and *Curious Incident*,

by Haddon/Stephens. These texts are due to be refreshed for those beginning in September, but we await text lists from the exam board.

### **Higher Education and Career Pathways**

Careers in the performing arts and creative industries include acting, directing, stage design, lighting, sound, marketing, costume design, arts management and other production or supporting roles in theatre, film and television. A good Drama & Theatre A Level is also an attractive qualification for law degrees, and demonstrates all manner of vital, transferable skills, desired by many industries.

Former students of our A level course have gone onto prestigious theatre courses and we have ex students working in the performing arts industry, including shows for the BBC, Netflix and in film.

### **Complementary Subjects**

History, Psychology, Sociology, Philosophy, English, Art and Design and Music.



### For Further Information



# Economics (Edexcel)

### **Programme of Study:**

### Year <sup>-</sup>

Students will develop an understanding of:

Theme 1: Markets, consumers and firms

- Scarcity, choice and potential conflicts
- Enterprise, business and the economy
- Introducing the market
- The role of credit in the economy
- Market failure and government intervention
- · Revenue, costs, profits and cash

**Theme 2:** The wider economic environment

- Business growth and competitive advantage
- Firms, consumers and elasticities of demand
- Productive efficiency
- Life in a global economy
- The economic cycle
- Introduction to macroeconomic policy

### Year 2

Students will develop an understanding of:

**Theme 3:** The global economy. This theme develops the concepts introduced in Theme 2.

- Globalisation
- Economic factors in business expansion
- Impact of globalisation on global companies
- Impact of globalisation on local and national economies
- Global labour markets
- Inequality and redistribution

Theme 4: Making markets work

This theme develops the concepts introduced in Theme 1.

- Competition and market power
- Market power and market failure
- Market failure across the economy
- Macroeconomic policies and impact on firms and individuals
- Risk and the financial sector

### **Assessment**

There are 3 exams sat at the end of the A level course. All 3 exams are 2 hours long.

Paper 1 will examine content from theme 1 and 4.

Paper 2 will examine content from theme 2 and 3.

Paper 3 will examine content synoptically across all 4 themes and will be based on a pre-release case study research task. The research task is released in the December before the summer exams.

Paper 1 and 2 each attribute 35% of the final mark, whilst paper 3 makes up the final 30%.

### **Entry Requirements**

Students must achieve a minimum of a grade 6 in both GCSE English and Maths. Where students have studied GCSE Business or Economics, they must achieve a minimum of grade 6 in that as well.

# Recommended Reading and Subject Enrichment

Students should read Economics and Business news to better understand the content taught. We often organise visits to the Bank of England, Europa House and revision conferences.

### **Higher Education and Career Pathways**

Students often go on to study Economics at University and might choose to pursue a career in fields ranging from finance, banking, insurance, accountancy, management and consultancy, to becoming professional economists.

### **Complementary Subjects**

Maths A level successfully supports students with some of the main concepts necessary in the study of Economics. Where students choose not to take A level Maths, we do recommend they study Core Maths as their enrichment option.



### For Further Information

# A Level English Literature

# English Literature (AQA)

### **Programme of Study:**

Year 1	Year 2
The Great Gatsby and Love Through the Ages Poetry Anthology	Othello The Wipers Times and Up the Line to Death
Regeneration	Unseen Prose
Up the Line to Death Poetry Anthology	Unseen Poetry
Unseen Prose	Complete NEA
NEA preparation through independent reading	Revision

### **Assessment**

Paper 1: Love Through the Ages 40%

Section A – Shakespeare Section B – Unseen poetry Section C – Comparing Texts

Paper 2: World War 1 and its Aftermath 40%

One essay question on a set text

Unseen prose

Contextual linking of texts

NEA (Coursework): 20%

Independent Critical Study: Texts across Time

### **Entry Requirements**

A minimum of a Grade 6 or above in English Literature GCSE. Subject to demand we may choose to run the English combined Language and Literature in addition.

### Recommended Reading and Subject Enrichment

Read a broad range of texts both fiction and non-fiction.

A Level English will offer a variety of opportunities to visit the theatre to support the A Level course as well as to enrich the cultural experience of the subject. You will also be invited to attend A Level study days at prestigious London universities. These days offer lectures and workshops focused on the texts and eras studied during the course. Other visits related to the literature studied will also be offered.

### **Higher Education and Career Pathways**

Journalism, Law, Public Relations, Advertising, Consultancy, Marketing, Publishing, Copy Writing, Teaching, Research, Politics, Acting.

### **Complementary Subjects**

History, Drama, Psychology, Philosophy and Ethics, Geography, Government & Politics and Media Studies.



For Further Information



# Extended Project Qualification (Edexcel)

### **Programme of Study:**

### This qualification could be chosen in addition to 3 other qualifications.

An Extended Project Qualification (EPQ) allows a student to embark on a largely self-directed and self-motivated project. Students must choose a topic, plan, research and develop their idea and decide on their finished product.

An EPQ encourages creativity and curiosity. A project topic may be directly related to a student's main study programme, but should look beyond the specification. A finished product may take the form of a research-based written report.

Students must also record their project process in their production log. The process of recording and completing a project is as important as the finished product. Both the production log and product will be assessed.

To complete a project, students need to:

- Choose an area of interest and draft their project title and aims.
- Plan, research and carry out their project.
- Keep a production log of all stages of the project production, reviewing and evaluating their progress.
- Complete the project product.
- Prepare and deliver a presentation.
- Review the outcome of their project and presentation.

Students will undertake the majority of the work during Year 12 so that they can concentrate on their three main subjects in Year 13.

During the EPQ, students will learn to:

- Manage identify, design, plan, and complete a project (or task within a group project), applying organisational skills and strategies to meet their stated objectives.
- Use resources/research obtain and select information from a range of sources, analyse data, apply it relevantly, and demonstrate understanding of any appropriate connections and complexities of their topic.
- Develop and realise use a range of skills, including using new technologies, to solve problems, to take decisions critically, creatively and flexibly, and to achieve their aims.
- Review evaluate the outcome, including their learning and performance.

This qualification is highly regarded as it provides an opportunity for students to extend their abilities beyond the A Level specification, stand out and prepare for university or their future career. It is equivalent to half an A Level and carries UCAS points equivalent to half an A Level.



For Further Information https://rodingvalley.net/sixth-form/applying-for-sixth-form

# French (AQA)

### **Programme of Study:**

### Aspects of French-speaking society: current trends

- The changing nature of family (La famille en voie de changement)
- The 'cyber-society' (La «cyber-société»)
- The place of voluntary work (Le rôle du bénévolat)

### Aspects of French-speaking society: current issues

- Positive features of a diverse society (Les aspects positifs d'une société diverse)
- Life for the marginalised (Quelle vie pour les marginalisés?)
- How criminals are treated (Comment on traite les criminels)

### Year 2

### Artistic culture in the French-speaking world

- A culture proud of its heritage (Une culture fière de son patrimoine)
- Contemporary francophone music (La musique francophone contemporaine)
- Cinema: the 7th art form (Cinéma: le septième art)

### Aspects of political life in the French-speaking world

- Teenagers, the right to vote and political commitment (Les ados, le droit de vote et l'engagement politique)
- Demonstrations, strikes who holds the power? (manifestations, grèves – à qui le pouvoir?)
- Politics and immigration (La politique et l'immigration)

### **Assessment**

Paper 1 (Unit 1): 50% of A-level. Listening, reading and writing

Paper 2 (Unit 2): 20% of A-level. Writing - One text and one film from the lists in the specification

Paper 3 (Unit 3): 30% of A-level. Speaking - Individual research project + One of four sub-themes

from the course

### **Entry Requirements**

Grade 6 in GCSE French.

### **Recommended Reading and Subject Enrichment**

Texts: No et moi by Delphine de Vigan, Le Tartuffe by Molière, Candide by Voltaire, Boule de Suif et autres contes de la guerre by Guy de Maupassant, *Un sac de billes* by Joseph Joffo, L'étranger by Albert Camus, Bonjour tristesse by Francoise Sagan, Elise ou la vraie vie by Claire Etcherelli, Un secret by Philippe Grimbert.

Films: La Haine by Mathieu Kassovitz (1995), Les 400 coups by François Truffaut (1959), Au revoir les enfants Louis Malle (1987), L'auberge espagnole by Cédric Klapisch (2002), Un long dimanche de fiancailles by Jean-Pierre Jeunet (2004), Entre les murs by Laurent Cantet (2008).

We also run school trips, cinema trips and communication with French speaking students.

### **Higher Education and Career Pathways**

Languages are a gateway to travel and for careers in a range of sectors including translation, teaching, law, finance, business, politics, marketing and journalism. It is very appealing for use in international organisations such as the UN, Nato and the Foreign Office. A-Level languages are also useful to gain access to prestigious universities even if studying unrelated subjects.

### **Complementary Subjects**

Spanish, English Literature and Business.





# Geography (Edexcel B)

### **Programme of Study:**

# Dynamic Landscapes

- Topic 1: Tectonic processes and hazards
- Topic 2: Landscape System, Processes and Changes

### Dynamic Places

- Topic 3: Globalisation
- Topic 4: Regenerating Places

### Year 2

### Physical Systems and Sustainability

- Topic 5: The Water Cycle and Water Insecurity
- Topic 6: The Carbon Cycle and Energy Security

### Human Systems and Geopolitics

- Topic 7: Superpowers
- Topic 8: Global Development and Connections

### **Assessment**

**Paper 1:** 2 hr 15 mins (30% - 105 marks) **Paper 2:** 2 hr 15 mins (30% - 105 marks) **Paper 3:** 2 hr 15 mins (20% - 70 marks)

Coursework - A-level Independent Investigation (NEA)

A 3000-4000 word independent (20% - 70 marks).

### **Entry Requirements**

A minimum of a Grade 6 or above in GCSE Geography.

# **Recommended Reading and Subject Enrichment**

Geography for Edexcel Oxford Textbook

Prisoners of Geography – Tim Marshall

The Power of Geography – Tim Marshall

Factfulness – Hans Rosling

Residential field work trip (min. 4 days)

### **Higher Education and Career Pathways**

Geography can lead to degrees in: Geography, Environmental Sciences, Geology. Careers include: Engineering, Environmental Management, Travel, Conservation and Planning, Law, Teaching, Journalism, Geology, Meteorology, Land Surveying and Architecture.

### **Complementary Subjects**

Biology, Psychology, Sociology, Economics and Maths



# History (Edexcel)

### **Programme of Study:**

Year 1	Year 2
Paper 1: Russia 1917–91: from Lenin to Yeltsin	Paper 3: Britain: Losing and Gaining an Empire, 1763–1914
<ul> <li>Creation of the communist government of the USSR</li> <li>Industrial and agricultural change</li> <li>Control of the people</li> <li>Social developments</li> <li>What explains the fall of the USSR?</li> </ul>	<ul> <li>The changing nature and extent of trade</li> <li>The changing nature of the Royal Navy</li> <li>The loss of the American colonies</li> <li>The birth of British Australia</li> <li>Learning from past mistakes: Canada and the Durham Report</li> </ul>
Paper 2: The German Democratic Republic, 1949-90	Nearly losing and empire: The British in India
<ul> <li>Establishing and consolidating communist rule in the GDR</li> <li>The development of the East German State</li> <li>Life in East Germany</li> <li>The growing crisis and collapse of communist rule in the GDR 1895-90</li> </ul>	<ul> <li>The Nile Valley</li> <li>Coursework:</li> <li>A 4,000-word essay on a historical topic of your choice. It must be something that historians disagree about.</li> </ul>

### Assessment

The course is assessed in three exams and one extended essay (Coursework).

Exam overview:

Paper 1 USSR - 2 hours 15 minutes - 60 marks - 30% of total grade Paper 2 GDR - 1 hour 45 minutes - 40 marks - 20% of total grade

Paper 3 British Empire - 2 hours 15 minutes - 60 marks - 30% of total grade

Coursework - Completed between July and January - 40 marks - 20% of total grade

### **Entry Requirements:**

Students must achieve a minimum of grade 6 in GCSE History.

### Recommended Reading and Subject Enrichment

The main textbooks are:

Edexcel AS/A Level History: Communist states in the 20th Century - ISBN 9781447985273 Edexcel AS/A Level History: Britain: Losing and gaining an empire, 1763-1914 ISBN 9781447985341

However, there is a huge range of reading about these topics that will bring the History to life. Anna Funder's *Stasiland* or Oliver Fritz' *Iron Curtain Kid* are excellent introductions into life in the GDR. Orlando Figes *A People's Tragedy* paints an extraordinary if rather bleak picture of the

fall of the Tsar and the rise of communism. There will also be opportunities to visit Berlin and attend lectures lead by key university academics in London on some of the key areas we study.

### **Higher Education and Career Pathways**

Law, Civil Service, Police, Academia, Journalism, Education, Graduate Management Schemes.

### **Complementary Subjects**

History is an academic subject which mixes well across the curriculum. In particular, it is complemented by *English Literature*, *Politics*, *Sociology and Psychology*.



For Further Information



# Information Technology (Edexcel)

# BTEC National Extended Certificate Level 3 (Single Award)

### **Programme of Study:**

### Using Social Media in Business Information Technology Systems Exploring the changing world of social In Depth focus on hardware and software media and how it can be used to promote that are used in business businesses Website design where students will create Creating systems to manage information a website for their client incorpating client (Databases) side scripting languages. Students will Databases are the lifeblood of many develop an understanding of the different organisations and their development and aspects of website design use is a vital skill in the modern world

### **Assessment**

Unit 1: Information Technology Systems - External Examination

Unit 2: Creating systems to manage information - External Examination Unit 3: Using Social Media in Business - Practical Internal Assessment

Unit 6: Website Development - Practical Internal Assessment

### **Entry Requirements**

Students must achieve a minimum of a grade 4 in English Language and Maths as well as a total points score of 32 from their 8 best GCSEs.

### Recommended Reading and Subject Enrichment

BTEC Nationals Information Technology Student Book ISBN-13: 9781292140414

Revision Guide: Revise BTEC National Information Technology Units 1 and 2 Revision Workbook ISBN-13: 9781292230597

Revise BTEC National Information Technology Units 1 and 2 Revision Guide ISBN-13: 9781292230504

### **Higher Education and Career Pathways**

This level 3 BTEC will get you started in IT and give you the skills and knowledge to progress to higher education. You could progress onto an apprenticeship, University or employment in the IT field.

### **Complementary Subjects**

Business, Media and English.



# Mathematics (AQA)

### **Programme of Study:**

Year 1	Year 2
Section 1 - Pure Maths  Proof  Algebra and Functions  Coordinate Geometry  Sequences and Series  Trigonometry  Exponentials and Logarithms  Differentiation Integration  Numerical Methods  Vectors	Section 2 - Statistics  Data Presentation and Interpretation Probability Statistical Distributions Statistical Hypothesis Testing Correlation and Regression  Section 3 - Mechanics Kinematics Forces and Newton's Laws Moments

### Assessment (at the end of Yr13 only):

Paper 1 (Pure): 2 hours - 100 marks - Section 1 Topics

Paper 2 (Pure and Mechanics): 2 hours - 100 marks - Section 1 and 3 Topics Paper 3 (Pure and Statistics): 2 hours - 100 Marks - Sections 1 and 2 Topics

A formula booklet will be provided for use in the Exams.

A Large Data Set will be studied throughout the course (Only for Paper 3) Questions might include

- Terminology and context of the data
- Using summary statistics based on the large dataset
- Statistical diagrams
- Using a sample from the large dataset

Questions focus on Modelling, Problem Solving and Proof. You will be required to answer questions by combining different areas of Maths or by interpreting information given. You might be asked to think about the validity of models or to interpret values in context.

### **Entry Requirements**

Students are expected to have achieved a Grade 7 in GCSE Mathematics.

### **Recommended Reading**

A Slice of Pi - Liz Strachan; The Shoelace Problem and Other Puzzles - Ivan Moscovich; Numberpedia - Herb Reich; "Why Maths Isn't Boring: An exploration of mathematical curiosities" by Daniel Cove, "Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy" by Cathy O'Neil

### **Subject Enrichment**

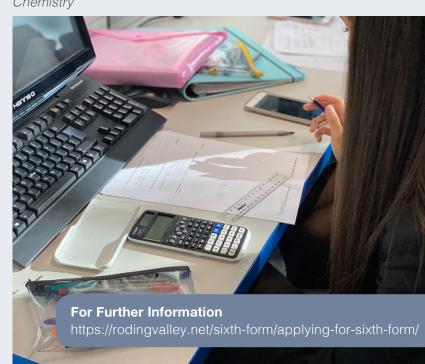
Senior Maths Challenge (Individual and Team); Chess Club; Maths Masterclasses; Maths Prefects / Supporting KS3 and KS4

### **Higher Education and Career Pathways**

Various University options / Apprenticeships Possible Careers: Engineering, Architect, Financial Analyst, IT Specialist, Teacher, Physicist, Meteorologist, and many more

### **Complementary Subjects**

Computer Science, Physics, Economics and Chemistry





# Further Mathematics (Edexcel)

### **Programme of Study:**

Year 1	Year 2
Core Pure Complex Numbers Argand Diagrams Series Roots of Polynomials Volumes of Revolution Matrices Linear Transformation Proof by Induction Vectors Decision Algorithms Graphs and Networks Algorithms on Graphs Route Inspection Linear Programming Critical Path Analysis Mechanics Momentum and Impulse Work Energy and Power	Core Pure Complex Numbers Series Methods in Calculus Volumes of revolution Polar Coordinates Hyperbolic Functions Methods in Differential Equations Modelling with differential equations Decision The Travelling Salesman Problem The Simplex Algorithm Mechanics Elastic Strings and Springs Elastic Collisions in two dimensions

### **Assessment**

Paper 1 (Pure): 1.5 hours - 75 Marks
Paper 2 (Pure): 1.5 hours - 75 Marks
Paper 3 (Decision 1): 1.5 hours - 75 Marks
Paper 4 (Decision 2): 1.5 hours - 75 Marks

Elastic Collisions in one dimension

Assessments will be designed to reward students for demonstrating the ability to provide responses that draw together different areas of their knowledge, skills and understanding from across the full course of study for the AS further mathematics qualification and also from across the AS Mathematics qualification. Problem solving, proof and mathematical modelling will be assessed in further mathematics in the context of the wider knowledge which students taking A level further mathematics will have studied.

### **Entry Requirements**

Students are expected to have achieved a Grade 8+ in GCSE Mathematics.

### **Recommended Reading**

A Slice of Pi - Liz Strachan; The Shoelace Problem and Other Puzzles - Ivan Moscovich; Numberpedia - Herb Reich; "Why Maths Isn't Boring: An exploration of mathematical curiosities" by Daniel Cove, "Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy" by Cathy O'Neil

### For Further Information

https://rodingvalley.net/sixth-form/applying-for-sixth-form

### **Subject Enrichment**

Senior Maths Challenge (Individual and Team); Chess Club; Maths Masterclasses; Maths Prefects / Supporting KS3 and KS4

### **Higher Education and Career Pathways**

Various University Opportunities /
Apprenticeships
Possible Careers: Engineering, Architect,
Financial Analyst, IT Specialist, Teacher,
Physicist, Meteorologist, and many more

### **Complementary Subjects**

Physics, Computer Science, Economics and Chemistry



# Mathematical Studies Level 3 (Core Maths) (AQA)

### **Programme of Study:**

1 year course in addition to 3 other qualifications.

### Year '

- 3.1 Analysis of data
- 3.2 Maths for personal finance
- 3.3 Estimation
- 3.4 Critical analysis of given data and models
- 3.5 The normal distribution
- 3.6 Probabilities and estimation
- 3.7 Correlation and regression

### **Assessment**

Two papers – 1 hour 30 minutes each.

**Paper 1:** topics 3.1, 3.2, 3.3 **Paper 2:** topics 3.4, 3.5, 3.6, 3.7

### **Entry Requirements**

Grade 4 in Mathematics.

### Recommended Reading and Subject Enrichment

AQA Mathematical Studies Student Book: Level 3 Certificate

A Slice of Pi - Liz Strachan; The Shoelace Problem and Other Puzzles - Ivan Moscovich; Numberpedia - Herb Reich; "Why Maths Isn't Boring: An exploration of mathematical curiosities" by Daniel Cove, "Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy" by Cathy O'Neil

### Who is it suitable for?

Our Level 3 Mathematical Studies qualification is for students with a grade 4 or above in GCSE. It develops mathematical skills and thinking appropriate for a Level 3 qualification. It provides useful maths skills for students studying courses as A level Psychology, Sciences, Economics, Geography and BTEC Business. Students will learn and apply real-world Maths skills.

### **Complementary Subjects**

Psychology, Geography, Biology, Chemistry and Physics.





# Media Studies (AQA)

### **Programme of Study:**

Year 1	Year 2
Language - representation:  - Television  - Music Video  - Newspapers  - Magazines  - Advertising & Marketing	Industries - Audiences - Practical Media Production - Video Games - Online & Social Media - Film - Radio

### **Assessment**

**Media One** - Written Examination: 2 hours (35% of A Level) **Media Two** - Written Examination: 2 hours (35% of A Level)

Media Three - Non Exam Assessment Practical Production (30% of A Level)

### **Entry Requirements**

A grade 6 in Media is required.

It is preferable if students have studied GCSE Media. Where students have not studied Media, they will need to achieve a 6 in English or a 6 in a humanities subject.

# **Recommended Reading and Subject Enrichment**

**READING:** AQA Media Studies for A Level Year 1 & 2 (Illuminate Publishing)

The Daily Mail Newspaper - The Guardian Newspaper - GQ Magazine

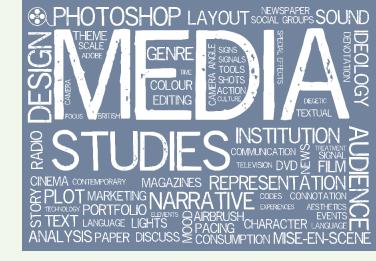
**TELEVISION:** The Apprentice (BBC) - The Killing (Netflix) - No Offence (More 4) - Self Made (Limited Netflix Series), Black Mirror (Netflix), Mad Men, War of the Worlds, K.C. Undercover (Disney+)

**FILM:** Hidden Figures - Jo Jo Rabbit - The 13th (Netflix Documentary) - Detroit - Straight Outta Compton - Blinded By The Light - Chicken (2015) - The Good, The Bad and the Ugly, War of the Worlds, Spiderman: Homecoming, The Greatest Showman, Dune

**GAMES:** Sims Franchise, Sims Freeplay app, Tomb Raider franchise, Horizon Zero Dawn and Horizon Forbidden West

### For Further Information

https://rodingvalley.net/sixth-torm/applying-tor-sixth-torm



**RADIO:** Radio 1 Newsbeat BBC, and War of the Worlds (original 1938 broadcast)

**MUSIC:** Lil Nas X music, The Specials (SKA Genre)

### **Higher Education and Career Pathways**

Careers in the rapidly expanding media industry as well as the marketing and social media departments of all large established businesses, banks and brands.

### **Complementary Subjects**

Media is an academic subject that involves extended essay writing and academic theory application: *English, History, Politics, Economics, Business Studies, Computer Science, Art and Photography* 

# Philosophy and Ethics (OCR)

### **Programme of Study:**

Year 1	Year 2
<ul> <li>Philosophy</li> <li>Ancient philosophers</li> <li>Body, mind and soul</li> <li>Arguments for the existence of God from observation and reason</li> <li>Religious Experience</li> <li>The problem of Evil</li> <li>Ethics</li> <li>Natural Law</li> <li>Situation Ethics</li> <li>Kantian ethics</li> <li>Utilitarianism</li> <li>Applied ethics</li> <li>Developments in Christian Thought</li> <li>Augustine and human nature</li> <li>Death and the afterlife</li> <li>Knowledge of God's existence</li> <li>Jesus</li> <li>Christian moral principles</li> <li>Christian moral action</li> </ul>	Philosophy  The nature and attributes of God Religious language Ethics Meta-ethical theories Conscience Sexual ethics Developments in Christian Thought Religious pluralism and theology Religious pluralism and society Gender and society Gender and theology The challenge of secularism Liberation theology and Marx
Assessment	

### **Assessment**

There are three 2 hour exams at the end of the second year.

Paper 1: Philosophy of ReligionPaper 2: Religion and Ethics,

Paper 3: Developments in Christian Thought

### **Entry Requirements**

A minimum of a Grade 6 or above in GCSE RS. If a student has not studied RS, we expect them to have achieved a grade 6 in a humanities subject or a grade 6 in English.

### Recommended Reading and Subject Enrichment

tudents are encouraged to undertake extensive background reading around ethical and moral issues using sites such as BBC News and CNN news to keep up to date with ethical issues such as business practices, abortion and euthanasia. Students should also read academic texts:

Stephen Law, *The Philosophy Files*Richard Dawkins, *The God Delusion*Peter Vardy, *The Puzzle of Ethics*Robert Bowie, *Ethical Studies*William Young, *The Shack* 

### **Higher Education and Career Pathways**

This course also supports the study of Theology and Philosophy at University. Universities often pair Mathematics with Philosophy at degree level.

Careers may include: Barrister, Solicitor, Marketing executive, Journalist, Policy officer, Psychotherapist, Recruitment consultant,

Teacher, Chaplain

# Complementary Subjects

History, Sociology, Psychology, Politics and Mathematics.



### For Further Information



# Photography (AQA)

### **Programme of Study:**

### rear i

- First coursework unit (Sep-Feb) develops skills in independent research and ideas development. Broadly follows the same format as the GCSE method of working but with a higher expectation on a deeper level of understanding of concepts and a development in the ability to communicate an idea.
- End of unit timed practical test (Jan)
- Second coursework unit (Feb-Jul) follows the exam board set themes

### Year 2

- Internally set coursework unit exploring the work of a specific artist of influence
- 3000 word essay
- End of unit timed practical test (Feb)
- Externally set exam unit. Preparing independent, creative, meaningful responses to a set theme (Feb-May)
- Final exam (15 hours May)

### **Assessment**

- All coursework produced in the 2 year course is part of the qualification. Every piece of work is evidence towards one of the four assessment objectives
- Externally set exam is released in February with a 15 hour final exam taking place in May

### **Entry Requirements**

GCSE Grade 6 or above in Art and Design or Photography. You must have your own digital SLR camera to do this course.

### Recommended Reading and Subject Enrichment

Digital Photography by Tom Ang

Visiting galleries and exhibitions will be the most significant form of research for many students. We normally submit students' work and attend the Photographer's Gallery and the AOP.

### **Higher Education and Career Pathways**

Studying art and design at this level helps to develop opportunities to pursue further studies at art colleges and universities. Britain, and especially London, is still a world leader in the creative industries such as editorial, architecture, advertising and product all of which are highly paid careers.

Students can go onto Further and Higher Education, specialising in the Photography genres of their choice.

### **Complementary Subjects**

Art, Media and Humanities subjects.



# Physics (AQA)

### **Programme of Study:**

### Year 1 and 2

### **Core Content**

- 1. Measurements and their errors
- 2. Particles and radiation
- 3. Waves
- 4. Mechanics and materials
- 5. Electricity
- 6. Further mechanics and thermal physics
- 7. Fields and their consequences
- 8. Nuclear physics

### **Optional Modules**

- 9. Astrophysics
- 10. Medical physics
- 11. Engineering physics
- 12. Turning points in physics
- 13. Electronics

### Assessment

Paper 1 Sections 1 – 6.1 Written exam: 2 hours, 34% of A-level

Paper 2 Sections 6.2 - 8 (and assumed knowledge from sections 1 - 6.1)

Written exam: 2 hours, 34% of A-level

Paper 3 Practical skills and data analysis and optional module

Written exam: 2 hours, 32% of A-level

### **Entry Requirements**

Grade 6 or above in Physics if studying Triple Science at GCSE or G66 if studying Combined Science at GCSE.

### **Recommended Reading**

- 1. New Scientist
- 2. Nature
- 3. Physics World
- 4. The Quantum Universe: Everything that can happen does happen, Brian Cox
- 5. Newton, Peter Ackroyd
- 6. A Short History of Nearly Everything, Bill Bryson
- 7. *The Grand Design*, Stephen Hawkin and Leonard Mlodinow
- 8. The Science of Everyday Life, Marty Jopson

### **Enrichment Activities**

- The Royal Society for Physic's Olympiad
- Summer Exhibition at the Royal Society
- In2MedSchool

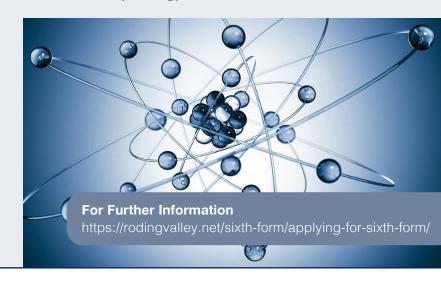
### **Higher Education and Career Pathways**

Studying physics enables you to look at hidden laws that explain why all matter and energy in the known universe exists, where it comes from

and how it behaves the way it does. Physics will help you to build up your problem solving, research, and analytical skills. With these skills you'll be able to test out new ideas plus question and investigate other people's theories, which is useful for any kind of job that involves research or debate. With physics you can go into many careers including lots of non physics careers such as management or finance. However, relevant careers include anything to do with building or developing new technology including architecture, engineering, astronomy, space exploration, games development and modelling the climate.

### **Complementary Subjects**

Maths, Chemistry, Biology.





# Politics (Edexcel)

### **Programme of Study:**

### Paper 1: UK Politics Paper 1&2: Idealogies Feminism Democracy and participation Political parties Conservatism Liberalism Electoral systems Voting behaviour and the media Socialism Paper 3: Comparative Politics (Global Paper 2: UK Government Politics) The constitution The State and Globalisation Parliament Global Governance: Political and Economic Prime minister and the executive Global Governance: Human Rights and Relationships between branches Environmental power and development Regionalism and the European Union Comparative Theories

### **Assessment**

The course is 100% exam divided equally across three papers at the end of year 13. The topics and weightings are below:

Paper 1: UK Politics and Core Political Ideologies - 2 hours - 84 marks (33.3%)

Paper 2: UK Government and Feminism - 2 hours - 84 marks (33.3%)

Paper 3: Comparative Politics (Global Politics) - 2 hours - 84 marks (33.3%)

### **Entry Requirements**

A grade 6 in either a humanities subject or English.

### Recommended Reading and Subject Enrichment

Students should engage with a whole range of interesting books, articles, podcasts and email briefings. Perhaps the best and easiest place to start is to follow @simplepolitics on Instagram or subscribe the Guardian's weekly news briefing via email. There has also been lots of references in the news to *The Handmaid's Tale* by Margaret Atwood with both Extinction Rebellion and Boris Johnson being likened to Atwood's dystopian characters. For the most up to date picture of Global politics you are probably best to start with *Prisoners of Geography* by Tim Marshall which discusses how every nation's choices are limited by mountains, seas, rivers and concrete.

There will also be opportunities to visit the Houses of Parliament.

### **Higher Education and Career Pathways**

Degrees in Politics, History, Economics and International Relations are supported by this subject. King's College London and The LSE both offer brilliant Political Economy degrees which open doors to top FTSE 100 companies and large NGOs. Similarly, law firms, finance companies and multinational organisations value Politics qualifications in their recruits. As do more traditional routes such as the civil service, government think tanks, charities and working for Political parties.

### **Complementary Subjects**

Business, Economics, Sociology, English Literature and History.



# Psychology (AQA)

### **Programme of Study:**

Year 1	Year 2
<ul> <li>Research methods</li> <li>Social influence</li> <li>Memory</li> <li>Attachment</li> <li>Psychopathology</li> <li>Approaches</li> <li>Biopsychology</li> </ul>	<ul> <li>Research methods</li> <li>Issues and debates</li> <li>One Topic from Each Option Blocks: <ul> <li>Option Block 1: Gender, Relationships, Cognitive Development</li> <li>Option Block 2: Schizophrenia, Eating Behaviour, Stress</li> <li>Option Block 3: Forensics, Aggression, Addiction</li> </ul> </li> </ul>

### **Assessment**

Paper 1: Introductory topics in Psychology – 33.3% of A-level

Paper 2: Psychology in context – 33.3% of A-level

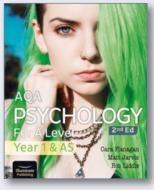
Paper 3: Issues and options in Psychology – 33.3% of A-level

All three papers are assessed via written exams of 2 hours consisting of a range of multiple choice, short answer and extended writing questions.

### **Entry Requirements**

A grade 6 in GCSE Psychology. Where this has not been studied we require a grade 6 or higher in English and a grade 6 in Maths or Science.

# Recommended Reading and Subject Enrichment





### Key textbooks:

AQA Psychology - Illuminate Publishing

### **Key websites:**

AS and A-level | Psychology Collections | Psychology | tutor2u British Psychological Society

### For Further Information

https://rodingvalley.net/sixth-form/applying-for-sixth-form/

### **Higher Education and Career Pathways**

Students will develop a range of transferable skills that both support study in a wide range of subjects at university and the transition to employment, including quantitative and analytical analysis and forming and testing hypotheses. The development and application of mathematical skills prepare students for study of psychology and related courses at university.

Jobs where a qualification in Psychology would be necessary or useful:

Clinical psychologist, Educational psychologist, Forensic psychologist, Occupational psychologist, Sport and exercise psychologist, Teacher/Further education lecturer, Neurologist, Lawyer, Police officer, Probation officer, Journalist, Social Worker, Youth worker, Careers adviser, Counsellor, psychotherapist.

# **Complementary Subjects**

Biology, Maths, Sociology, Geography, History, Economics.





# Sociology (AQA)

### **Programme of Study:**

Year 1	Year 2
<ul> <li>Education with theory and methods</li> <li>Education</li> <li>Methods in Context</li> <li>Research Methods</li> </ul>	Crime and Deviance with Theory and Methods  Crime and Deviance Theory and Methods
Topics in Sociology Option 1 - one from this option block  Culture and Identity Families and Households Health Work, Poverty and Welfare	Topics in Sociology Option 2 - one from this option block  Beliefs in Society Global Development The Media Stratification and Differentiation

### **Assessment**

Paper 1: Education with Theory and Methods

Compulsory content, 2 hour written exam, 33.3% of A-level

Paper 2: Topics in Sociology Section A: one from option 1:

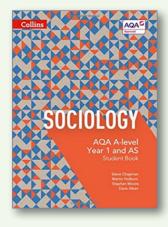
Section B: one from option 2, 2 hour written exam, 33.3% of A-level

Paper 3: Crime and Deviance with Theory and Methods Compulsory content, 2 hour written exam, 33.3% of A-level

### **Entry Requirements**

A minimum of a Grade 6 in Sociology (if previously studied) or at least a Grade 6 in a Humanities subject or grade 5 English.

### Recommended Reading and Subject Enrichment





### **Higher Education and Career Pathways**

Sectors such as business, the health professions, the criminal justice system, social services, and government are some of the career paths sociology students may wish to take. Sociologists can become teachers or lecturers in universities, conducting research, and publishing research work. Sociologists enter the corporate, non-profit, and government worlds as directors of research, policy analysts, consultants and human resource managers. Practising sociologists with advanced degrees may be called research analysts, survey researchers, gerontologists, clinical sociologists, statisticians, urban planners, community developers, criminologists, or demographers.

### **Complementary Subjects**

Psychology, Philosophy and Ethics, Geography, Business, English Literature and History.



# Spanish (AQA)

### **Programme of Study:**

### Year 1 Year 2

### **Aspects of Hispanic society**

- Modern and traditional values (Los valores tradicionales y modernos)
- Cyberspace (El ciberespacio)
- Equal rights (La igualdad de los sexos)

### Artistic culture in the Hispanic world

- Modern day idols (La influencia de los ídolos)
- Spanish regional identity (La identidad regional en España)
- Cultural heritage (El patrimonio cultural)

**Film:** El Laberinto del fauno (Guillermo Del Toro)

Literature: Como Agua para Chocolate

(Laura Esquivel)

### Aspects of political life in the Hispanic world

- Today's youth, tomorrow's citizens (Jóvenes de hoy, ciudadanos del mañana)
- Monarchies and dictatorships (Monarquías y dictaduras)
- Popular movements (Movimientos populares)

### Multiculturalism in Hispanic society

- Immigration (La inmigración)
- Racism (El racismo)
- Integration (La convivencia)

### Assessment

Paper 1 (Unit 1): 50% of A-level. Listening, reading and writing

Paper 2 (Unit 2): 20% of A-level. Writing - One text and one film from the lists in the specification specification (see above)

Paper 3 (Unit 3): 30% of A-level. Speaking - Individual research project + One of four subthemes from the course

### **Entry Requirements**

Grade 6 in GCSE Spanish.

### Recommended Reading and Subject Enrichment

### Texts:

Federico García Lorca *La casa de Bernarda Alba* Gabriel García Márquez *Crónica de una muerte anunciada* 

Laura Esquivel *Como agua para chocolate* Ramón J. Sender *Réquiem por un campesino español* 

### Films:

El laberinto del fauno Guillermo del Toro (2006) Ocho apellidos vascos Emilio Martínez-Lázaro (2014)

We also aim to run school trips, cinema trips and communication with French speaking students.

### **Higher Education and Career Pathways**

Languages are a gateway to travel and for careers in teaching and translation. They are also seen as useful for Business/Financial industry. A-Level languages are also useful to gain access to prestigious universities even if studying unrelated subjects.

### **Complementary Subjects**

French, English Literature and Business.



### For Further Information



# Sport (OCR) (Level 3 Cambridge Technical)

**Programme of Study:** Cambridge Technical in Sport & Physical Activity Level 3 The Cambridge Technical is a vocational qualification at Level 3 for students which is designed with the workplace in mind and to provide a high-quality alternative to A Levels.

### Year 1 & 2

### **Extended Certificate (360 Credits):**

Units covered over the two years:

- **Unit 1:** Body Systems and the effects of Physical Activity.
- Unit 2: Sports Coaching & Activity Leadership
- Unit 3: Sports Organisation and Development
- Unit 5: Performance Analysis in Sport & Exercise
- Unit 19: Sport & Exercise Psychology

### Diploma (720 Credits):

Units covered over the two years:

- Unit 1: Body Systems and the effects of Physical Activity.
- Unit 2: Sports Coaching & Activity Leadership
- **Unit 3:** Sports Organisation and Development
- Unit 4: Working safely in sport, exercise, health & leisure.
- **Unit 5:** Performance Analysis in Sport & Exercise
- Unit 8: Organisation of Sports Events
- **Unit 11:** Physical activity for groups
- Unit 13: Health and Fitness testing for Sport and Exercise
- Unit 17: Sports Injuries and rehabilitation
- Unit 18: Practical Skills in Sport and Physical Activities
- Unit 19: Sport & Exercise Psychology

### **Assessment**

The units below are assessed in the following way:

Unit 1, 3 and 4: Exam Assessed

Unit 2, 13 and 18: Coursework/Practically Assessed Unit 5, 8, 13, 17, 18 and 19: Coursework Assessed

The course is assessed in two ways:

**Externally assessed:** OCR will provide the exam papers and mark.

**Internally assessed:** Teachers will assess learners either by coursework or witness statements which is then moderated by the exam board; OCR.

### **Entry Requirements**

- Students must have completed a Sports Course at GCSE level and achieved a G4 or equivalent.
  - They should also be able to evidence consistent participation in extracurricular sport inside and outside of school (The PE department may decide to allow this as an alternative to G4 in GCSE PE where a PE qualification has not been taken)



Clegg, C. Exercise Physiology And Functional Anatomy

Hylton, K, (2013), *Sport Development*, Routledge

### **Subject Enrichment**

- Sixth Form Football & Netball
- Opportunity to gain a First Aid Qualification
- Leadership opportunities in School and local Primary Schools
- Support with PE House Competitions

### **Higher Education and Career Pathways**

The Cambridge Technical Level 3 qualification provides you with an excellent base for a University degree within sport and exercise leading to career opportunities in the following areas: Sports Science, Coaching/Personal Training, Physiotherapy, Sports Marketing, Performance Analysis.

### **Complementary Subjects**

Biology, Psychology and Business



For Further Information



# The Chelsea FC Foundation

### **About Us**

Formed in 2010, the Chelsea Foundation is one of the world's leading football social responsibility programmes. Using the power of football to **Educate, Motivate and Inspire,** we believe sport can be harnessed to support **communities** and **individuals**, both at **home and abroad**.

### **Our Vision**

The Foundation brings together the Football in the Community and Education departments, along with the club's wider charitable, CSR and community activities, as well as equality programmes. On top of our outstanding football development programmes, the Chelsea Foundation works on a broad range of initiatives focusing on **employment**, **education**, **social deprivation**, **crime reduction**, **youth offending** and much more.

### **Our Core Values**

Here to Win.
Do The Right Thing.
Play Your Part.
Many Teams One Club.
Be Brave.
Proud to be Chelsea.

Our Football College Academy offers 16-18 year olds the chance to progress and develop both on and off the pitch.

**Learn:** Study towards your future at Roding Valley High School with a full range of Higher Education courses.

**Train:** Weekly coaching to develop technical, tactical and physical ability. These sessions are tailored to a desired playing style and ethos (delivered by Chelsea FC Foundation UEFA B License Coaches).

**Play:** Represent CFCF and Roding Valley High School in weekly league games and cup fixtures against other Academies and Sixth Forms both locally and nationally.

**Progress:** On to University courses, football scholarships, careers in the sports industry or with Chelsea FC Foundation. To date we have employed 12 former College Academy players.

**Develop:** The student athletes will be given the opportunity to develop their personal and professional portfolios.

Player Handbook: Providing CFCF Values, Mission Statement, Players Code of Conduct, Player Incentive Scheme, Football Philosophy, CFCF Principles of play, Position specific responsibilities, Football Pyramid, Player Assessments.

# Play at Chelsea FC Training Ground. Visit Stamford Bridge. TA K(LZ)

For Further Information





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Headteacher: Mr D Charlton Chief Executive Officer: Mr P Banks









