



2025/27

**KS4**

**Options**

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Information, Guidance and Courses



## CONTENTS

	<b>Page</b>
Introduction	2
The Menu of Subjects at Key Stage 4	3
Changes to Qualifications	4
Advice	5
Key Stage 4 Option Choices & Timeline	6 – 8
Guidance	9
Tips & study skills for English GCSE	10
Tips & study skills for Maths & Science GCSE	11
<b>Subject Detail:</b>	
• <b>Core Subjects</b>	
English Language	12
English Literature	13
Mathematics	14
Combined Science	15 – 16
• <b>EBacc Options Subjects</b>	
Computer Science	17
French and Spanish	18
Geography	19
History	20
• <b>Options Subjects</b>	
Business Studies	21
Drama	22
Economics	23-24
Fine Art	25
Graphic Communication	26
Hospitality & Catering	27-28
Music	29
Photography	30
Physical Education	31
Religious Studies	32
Triple Science	33-34
3D Art	35
Careers Information	36
Labour Market Information	37-39



## INTRODUCTION

Dear Student

In September you will begin Key Stage 4 of the National Curriculum which will lead to qualifications in up to nine subjects in the summer of 2027.

To be well educated and prepared to meet the challenges of the future you will need to continue to study a broad range of subjects. It is also important that you are able to make some subject choices to meet your own needs, interests and career aspirations whilst following a curriculum which is valued by all future employers.

This booklet is designed to help you make these choices. It gives a brief outline of each subject.

As a school, we believe that all our students should study a curriculum which ensures you are enabled to achieve success in a very competitive world. Such a broad and balanced curriculum includes the study of English Language and English Literature, Mathematics, Science and Physical Education.

When choosing your options, the most important thing is to select subjects which you enjoy and really want to study. Consider what you might want to do in the future and if there may be specific subjects or subject combinations that some institutions prefer for particular courses. Speak to your parents and carers, friends and family, talk to your form tutor and ask individual subject teachers for their advice and then think carefully what is best for you.

Whatever your choices, you will have to work hard over the next two years to make sure that you achieve the grades of which you are capable. I am confident that you will be successful.

Yours sincerely

**Mr Paul Bullock**  
**Deputy Headteacher**

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## THE MENU OF SUBJECTS AT KEY STAGE 4

Year 9 students will soon come to the end of Key Stage 3 and move into Key Stage 4 of the National Curriculum. The purpose of this booklet is to provide an overview of the courses available in Years 10 and 11. The following subjects will form the examined Core Curriculum and will be studied by all students.

English Language	GCSE
English Literature	GCSE
Mathematics	GCSE
Science	GCSE

In addition to this Core Curriculum, you will have the opportunity to participate in Physical Education and you will study RSHE (Relationships, Sex and Health Education) which will enable you to develop the knowledge, skills and attributes you need to keep healthy and safe, and prepare for life and work in modern Britain. Furthermore, you will have the opportunity to choose up to four other subjects from a wide range of possible options. You will not receive a GCSE qualification for RSHE or PE, unless GCSE PE is chosen as an option.

The aim of the Key Stage 4 curriculum is to provide the opportunity for a broad, relevant and balanced education, whilst maintaining as much individual choice as possible. This balance should ensure that a full range of career choices is open to you in the future. Employers will look for a basic education which will enable young people to develop flexibility and adaptability; essential qualities in today's fast changing world.

A wise choice, taken after consultation with parents, subject teachers, Heads of Departments, Form Tutors and finally, with a member of the Leadership or Pastoral Team, will result in a curriculum which is tailored to a student's individual needs and aptitude.

**Whilst all attempts will be made to accommodate preferences and to run the courses as published, these cannot be guaranteed.**

## CHANGES TO QUALIFICATIONS

The government has introduced a number of changes to the GCSE qualification for those unfamiliar with the new system. There are significant changes to the structure in most subjects with an increased focus on assessment at the end of the qualification. In many subjects the requirement for coursework or Controlled Assessment has been removed.

The most significant change concerns the grades you will receive in the summer of 2027. You will no longer receive a letter but a numerical grade between 9 – 1, where 9 is the highest grade. Broadly the same proportion of students nationally will achieve a grade 4 and above as previously achieved a grade C and above. Likewise, the same proportion of students will achieve a grade 7 and above as achieved an A and above previously. The bottom of grade 1 will be aligned with the bottom of the old grade G. The top 20% of students who get grade 7 or above will get a grade 9 – the very highest performers.

Grade 5 is classified as a “strong pass” and is the standard expected by many colleges and employers, while a grade 4 is classified a “standard pass”.

The new grading system does not apply simply, but a rough equivalence is shown below:

New 9-1 GRADE SYSTEM	OLD A*-G GRADE SYSTEM
9	A*
8	A*/A
7	A
6	B
5	B/C
4	C
3	D/E
2	E/F
1	F/G

Details of all GCSE and vocational syllabuses can be found on the following websites:

[www.aqa.org.uk](http://www.aqa.org.uk)

[www.qualifications.pearson.com](http://www.qualifications.pearson.com)

[www.ocr.org.uk](http://www.ocr.org.uk)

[www.eduqas.co.uk](http://www.eduqas.co.uk)

[www.ncfe.org.uk](http://www.ncfe.org.uk)

[www.vtct.org.uk](http://www.vtct.org.uk)

## ADVICE

You must be prepared to ask for help and further information when considering your choices. While you may speak to any member of staff, there are many who are more involved in the Options process and may be more suitable to talk to. The following members of staff may have more information to support your decision making:

Form Tutor	-	As appropriate
Subject Teacher	-	As appropriate
Head of Department	-	As appropriate
SENDCo.	-	Mrs Lloyd
Head of Year	-	Mr Neill
Deputy Headteacher	-	Mr Bullock

## Key Dates:

### January - February

Student assemblies to learn about new subjects offered at Key Stage 4.

### Thursday 6<sup>th</sup> February

Students' assembly on the options process with Mr Bullock and Mr Neill.

### Thursday 6<sup>th</sup> February – Year 9 Options Evening Information

All parents/carers will be invited to an evening presented by the Head of School, Mrs C Badarello and Deputy Headteacher, Mr P Bullock on the importance of the Options at Key Stage 4 and the process involved. All subjects offered at Key Stage 4 will have display boards and information for parents and students. The evening will be split into two separate presentations.

### Thursday 27<sup>th</sup> February – Year 9 Parents' Evening.

This evening is an opportunity to discuss academic progress with class teachers. This is an important piece of feedback to help inform your decisions.

### February - March

We will be inviting all students to meet with a member of the Leadership or Pastoral Teams to discuss the courses they are considering choosing and supporting them through their decisions.

### February - March

Students will have the opportunity to investigate future career choices by using the "Careers" software during tutor time. They should then link this information to their subject choices.

Following this process, if for any reason, choices cannot be met, Mr Neill or Mr Bullock will meet with students affected and communicate with parents/carers to discuss and support making further choices.

## KEY STAGE 4 OPTION CHOICES

### The Core Curriculum

**You will all study the Core Curriculum:** The Core Curriculum is made up of subjects which are compulsory for all students. These are: English Language, English Literature, Mathematics, Physical Education (Non-examined), Science and RSHE.

Science can be studied either as a double (2 GCSEs) or triple (3 GCSEs) award. The double award, Combined Science GCSE, is one qualification equivalent to two GCSEs and follows a curriculum rich in content from all three disciplines. The triple award is the term given to students who opt to study three separate GCSEs in the three science disciplines; Biology, Chemistry and Physics.

Due to the additional content required to study towards three separate science GCSEs rather than the Combined Science Award, Triple Science will count as one option choice, the difference in timetabled lessons between the Combined and Triple awards is illustrated below. Mrs Onions, together with the Leadership Team, will help guide students towards the most suitable science pathway for them.

Exemplar time allocation by subject for 2-week timetable (50 hours).

#### **Triple Science:**

Subject	English	Maths	Triple Science	PE	RSHE	Option 1	Option 2	Option 3
No. hours	8	8	14	4	1	5	5	5

#### **Combined Science:**

Subject	English	Maths	Combined Science	PE	RSHE	Option 1	Option 2	Option 3	Option 4
No. hours	8	8	9	4	1	5	5	5	5

### The English Baccalaureate (EBacc)

The EBacc is not a qualification, but a school performance measure. It refers to the collection of subjects which the government has identified as keeping young people's options open for further study and future careers. The EBacc recognises students' achievement in five academic subjects:

- English Language and Literature
- Mathematics
- Science (including Computer Science)
- French (or another language)
- History or Geography

These subjects have been identified as those academic subjects that are the stepping stone to high-status universities and careers, developing the skills, knowledge and understanding to equip people for future success. The ability to speak a foreign language, in particular, is a life changing skill that is highly sought after by employers and universities

To achieve the EBacc you will need to study the Core Curriculum of English Language, English Literature, Mathematics, Science, French or Spanish, and at least one of Geography or History.

While this specific combination of subjects may not be the right choice for all students, we believe it is important that students study as many of these subjects as possible to give themselves the best chance of success. Consequently, we ask every student to select at least one of these subjects.

**Full list of available subjects**

ASDAN Award
GCSE Art & Design: Fine Art*
GCSE Art & Design: 3D Art*
GCSE Business Studies
GCSE Computer Science
GCSE Drama
GCSE Economics
GCSE French
GCSE Geography
GCSE Graphic Communication*
GCSE History
WJEC Level 1/2 Award in Hospitality and Catering (Food)
GCSE Music
GCSE Photography*
GCSE Physical Education
GCSE Religious Studies
GCSE Triple Science (Three separate GCSEs)

All students are strongly encouraged to choose an appropriate mix of subjects. Please be mindful of this when considering subjects marked with \*.

There is no form to complete for your options. Instead we would like you to go through your choices when you meet with a member of the Year 9 Tutor Team, the Pastoral Team and the Leadership Team.



## **The Options process**

Every student will attend a meeting with either a member of the Leadership or Pastoral Team. During this meeting, staff will discuss with students the choices they are considering and suitable courses to follow, and students will be asked to confirm their subject choices. This will help support students in choosing the best combination of options for their future.

### **Step 1**

**You will all study the Core Curriculum:** The Core Curriculum is made up of subjects which are compulsory for all students. These are: English Language, English Literature, Mathematics, Science, PE (Non-examined) and RSHE (Non-examined). Students will achieve GCSE qualifications for each of these, but PE & RSHE do not result in a qualification unless GCSE PE is chosen in Step 3.

### **Step 2**

Every student will choose to study at least one of

- Computer Science
- French
- Geography
- History
- Spanish

The Department for Education (DfE) strongly advocates students studying these subjects until the age of 16 as they keep young people's options open for further study and future careers. These subjects further support student progress in literacy and students' broader curriculum choices.

### **Step 3**

Every student selects three further choices to make up the four separate subject choices. Students will be asked for two reserve choices also. All subjects may be selected, including those listed in Step 2

Your reserve choice will be used to guide timetable planning, but in the event that it is not possible to offer you all of your choices, we will discuss the options available with you.

**We will endeavour to run all of the courses listed, and we will make every effort to meet student preferences, however, this cannot be guaranteed.**



## GUIDANCE

Detailed information on each subject is given later in this booklet. Please examine the information about each subject before making your decision.

Your choices of subject preferences are an individual one, but please consider the following advice.

- DO** examine your latest report and consult with teachers at Parents' Evening.
- DO** find out as much as possible about what you will learn in all courses.
- DO** consider how much progress you have made in this subject previously.
- DO** take into account how interesting and enjoyable the subject has been to you.
- DO** consider whether the subject is necessary for any proposed further education course or career.
- DO** take advice from teachers about the suitability of the course.
- DO** seek advice from different people: parents, older students and staff. If you do not know something, ask.
- DO** consider subjects you think will motivate and inspire you to learn.

Poor reasons for choosing a subject inevitably lead to problems later on.

- DO NOT** choose a subject because a friend is choosing it; you may not end up in the same group.
- DO NOT** choose a subject because it appears to be an easy option.
- DO NOT** choose a subject because it seems new and interesting. Learn about what the course involves.
- DO NOT** choose a subject because of a particular teacher, they may not be teaching the subject at KS4.

**DO NOT** worry if you cannot take all the subjects you wish to study; many can be taken up later at Sixth Form.



## TIPS AND STUDY SKILLS FOR ENGLISH GCSE

- Every student will take two GCSEs in English: English Language and English Literature.
- Every student will also need to complete a Spoken Language assessment; this consists of an individual speech of around 5 minutes, followed by a series of questions. This is a compulsory part of their English Language GCSE.
- There is an increased weighting on spelling, punctuation and grammar, so it is really important that students spend time looking back over their marked work and learning the spellings that they have got wrong. There are many useful online resources, particularly on the BBC Skillswise website [www.bbc.co.uk/skillswise/0/](http://www.bbc.co.uk/skillswise/0/), which students can use to practise spellings and basic punctuation skills.
- To support the students' study of English Literature, it is really useful for them to have their own copy of each of the set texts so that students can make their own notes and have access to the texts at home. Exam boards recommend that students should read each text multiple times before they take the exam on the text. The English department will contact parents in advance of the students needing the books with the details of which copies would be most helpful to buy. If you are, for any reason, unable to purchase the copies please let us know and we will support where we can.
- The English department will run regular GCSE drop in sessions to support students' understanding of the different topics in advance of their final exams.
- At the end of each unit, students will do an exam-style question as an assessment, to gauge how they are progressing in English.

**TIPS AND STUDY SKILLS FOR MATHS AND SCIENCE GCSE**

<b>Maths</b>	<b>Science</b>
<p><b>Assessment:</b></p> <ul style="list-style-type: none"> <li>• 3 Examinations at the end of the 2 year course</li> <li>• Each examination is 90 minutes long</li> <li>• 1 – Non-calculator</li> <li>• 2 – Calculator</li> </ul> <p><b>What can students expect from the course?</b></p> <ul style="list-style-type: none"> <li>• Regular homework linked to the scheme of work</li> <li>• Online access to revision aids</li> <li>• Past Paper booklets</li> <li>• Key Stage 4 drop in sessions</li> <li>• Key assessments</li> </ul> <p><b>What can parents do to help?</b></p> <p>Make sure your child has the necessary equipment:</p> <ul style="list-style-type: none"> <li>• Scientific Calculator</li> <li>• A pair of metal Compasses</li> <li>• Protractor</li> <li>• Ruler</li> <li>• A good supply of pens and pencils</li> </ul> <p>Check their equipment at regular intervals – sometimes it goes walkabout!</p> <p><b>Support Available:</b></p> <p><a href="https://vle.mathswatch.co.uk/vle/">https://vle.mathswatch.co.uk/vle/</a></p> <p>MathsWatch is a complete online maths platform with videos, online assessments, feedback tools, independent learning, printable worksheets and much more to help develop students’ mathematical skills. Log-in: student initial and surname (no space) @thealegreen (e.g. tsmith@thealegreen) Password: ‘changeme’.</p> <ul style="list-style-type: none"> <li>• <a href="http://www.corbettmaths.com/">www.corbettmaths.com/</a> Corbett Maths has a series of videos which work through examples in each topic area. There is also a wealth of practice exam questions for students to use alongside. No log-in required.</li> </ul>	<p><b>Tips and study skills for Science GCSE:</b></p> <ul style="list-style-type: none"> <li>• There is no coursework element. It is all assessed in six GCSE exams at the end of Year 11.</li> <li>• The Maths requirement is high and students can be expected to be able to apply appropriate Maths skills from their Maths GCSE.</li> <li>• Students need to learn Physics equations by heart so it is important that they revise and practice these.</li> <li>• The assessments require the recall and application of an extensive range of topics.</li> <li>• Students need to practice exam questions and be able to respond correctly to command words, e.g. compare, evaluate, describe, explain.</li> <li>• It is important that students become familiar with using the information and data in the questions to support their answers.</li> </ul> <p><b>Support available:</b></p> <ul style="list-style-type: none"> <li>• All students have access to Seneca with is an online resource hosting videos, exam questions and revision activities.</li> <li>• We recommend the CGP revision guides if students want some extra support.</li> </ul>

**GCSE English Language**

**Course Content**

**Exam Board: AQA Course Number: English Language 8700**

Students will study for a GCSE in English Language: they will have to sit two papers, equally weighted at 50%, at the end of Year 11. Both *reading* and *writing* will be assessed equally, accounting for 50% each of the overall qualification. Speaking and Listening, while not counting towards the overall grade, will be reported as a separate endorsement. English Language now covers a broader range of texts and will focus on texts from the 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> centuries. Students will be taught literature, non-fiction and other non-fiction writing, including essays, reviews and journalism; both printed and on-line versions. Within the exam, students will respond to ‘unseen’ texts and will prepare for this by studying a wide variety of texts from various genres, where they will become confident in the skills required to analyse such a text; they will be assessed on comprehension, critical reading and summary and synthesis. Students will also have the opportunity to produce a piece of creative and transactional writing, and will be assessed, within the entire English Language assessment for spelling, punctuation and grammar. There will be a stronger emphasis on punctuation and grammar, where, within the complete qualification, 20% of students’ final mark will be assessed for spelling, punctuation and grammar.

**Course Assessment**

Examination: 100%

Paper 1: (50%) Explorations in Creative Reading and Writing

Paper 2: (50%) Writers’ Viewpoints and Perspectives

The assessment will also include a non-examination content focusing on Spoken Language which will be a presentation to the teacher and will be reported separately to your results.

The grading system, for both examinations, will take the form of a grade from 9-1, where 9 will be considered the highest possible achievement.

**Homework/Independent study**

Homework is a vital part of learning as it allows students to develop independent learning habits and consolidate important skills; homework will be set regularly and students will be expected to undertake tasks that will require them to practise both reading and writing skills. In addition, to help support students, they will be given a recommended reading list to encourage independent reading.

**Post-16 Progression**

A GCSE in English Language is essential for students to further study for training and skilled employment.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Development of reading for meaning, analysis of language, structure and comparison of texts.	Using graphs, tables and Venn diagrams.	Group discussion, moral and social issues arising from a variety of texts.



## GCSE English Literature

### Course Content

#### Exam Board: AQA Course Number: English Literature 8702

Students will study for an English Literature qualification. Like the Language paper, they will sit two papers, where they will be assessed at 40% and 60% respectively. Students will also be able to achieve up to 5% for spelling, punctuation and grammar.

English Literature covers the study of Shakespeare, a 19<sup>th</sup> Century novel, a selection of poetry post- 1789 and a British fiction or drama post-1914. Students will be exposed to a variety of texts; both unseen and seen.

Students will read 'in depth' and will learn how to evaluate, as well as critically responding to texts, so that they are able to discuss and explain their understanding and ideas.

### Course Assessment

Examination: 100%

Paper 1: (40%) Shakespeare and the 19<sup>th</sup> Century novel

Paper 2: (60%) Modern Texts and Poetry

As part of your work in English Literature, you will have the opportunity to read a range of poems, plays, short stories, novels and pre-twentieth-century literature.

The grading system, for both examinations, will take the form of a grade from 9-1, where 9 will be considered the highest possible achievement.

### Homework/Independent study

Homework is a vital part of learning as it allows students to develop independent learning habits and consolidate important skills; homework will be set regularly and students will be expected to undertake tasks that will require them to practise both reading and writing skills. In addition, to help support students, they will be given a recommended reading list to encourage independent reading.

### Post-16 Progression

A GCSE in English Literature should encourage students to read widely for pleasure and is an excellent preparation for studying literature at a higher level.

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Development of reading for meaning, analysis of language, structure and comparison of texts.	Using graphs, tables and Venn diagrams.	Group discussion, moral and social issues arising from a variety of texts.

**GCSE Mathematics**

**Course Content**

**Exam Board: AQA Course Code: 8300**

The content of the Mathematics GCSE is set out by the Department for Education and is common across all exam boards. Content is separated into 6 broad topic areas and are referenced as number, algebra, ratio & proportion, geometry, probability & statistics.

The Foundation Tier has a higher proportion of number and ratio questions whereas the Higher Tier has a higher proportion of algebra and geometry questions. Decisions about which tier students will sit will not be made until year 11.

**Course Assessment**

Students will take three examinations at the end of Year 11. Each exam is 90 minutes in length, will carry 80 marks and will count for one third of the GCSE grade. One paper is non-calculator and the remaining two will require the use of a scientific calculator. Each examination could include content from any part of the course. The qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total mark across all three papers where 9 is the highest grade. Foundation tier: grades 1 to 5 and Higher tier: grades 4 to 9 (grade 3 allowed).

Examinations are assessed against three assessment objectives:

AO1 – Using & applying standard techniques (standard recall). 50% Foundation & 40% Higher.

AO2 - Reasoning, interpreting and communicating mathematically. 25% Foundation & 30% Higher.

AO3 - Solving problems with a much greater focus on solving non-routine problems in mathematical and non-mathematical contexts. 25% Foundation 30% Higher.

Each paper has a range of question types; some questions will be set in both mathematical and non-mathematical contexts. The mathematical demand increases as a student progresses through the paper.

**Homework/Independent study**

Students will receive homework of at least one hour each week alternating with MathsWatch and worksheets/exam questions. In addition to this work, students are expected to revise independently in order to recall prior knowledge and skills.

**Post-16 Progression**

Obtaining a 4 or above in mathematics is crucial if you wish to study after Year 11. Mathematics is highly regarded and a good grade may be required to study sciences at Sixth Form or College. Students who excel may wish to continue their studies in mathematics including Core L3 Mathematics, A Level Mathematics and A Level Further Mathematics. Engineering, economics and scientific courses often also ask for a good level of mathematical proficiency.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Understanding meaning of words and prefixes: e.g., 'tri', 'poly', 'cent' etc. Understand meaning of words specific to mathematical examinations e.g. 'solve', 'expand', 'factorise'.	Numeracy and numerical understanding is at the heart of the mathematics GCSE.	Students are able to apply mathematics to real life problems or contextual situations to make well balanced and informed judgements e.g. using ratio & proportion, logic or understanding data and statistics.

**GCSE Combined Science**

**Course Content**

**Exam Board: AQA GCSE Combined Science: Trilogy (9-1) - 8464**

The GCSE (9–1) in AQA Combined Science Trilogy is divided into the following topics:

Biology	Chemistry	Physics
B1 – Cell Biology B2 – Organisation B3 – Infection and response B4 – Bioenergetics B5 – Homeostasis and response B6 – Inheritance, variation and evolution B7 - Ecology	C1 – Atomic structure and the periodic table C2 – Bonding, structure, and the properties of matter C3 – Quantitative chemistry C4 – Chemical changes C5 – Energy changes C6 – The rate and extent of chemical change C7 – Organic chemistry C8 – Chemical analysis C9 – Chemistry of the atmosphere C10 – Using resources	P1 – Energy P2 – Electricity P3 – Particle model of matter P4 – Atomic structure P5 – Forces P6 – Waves P7 – Magnetism and electromagnetism

To replace controlled assessments there are also required practical. Students will complete practical's in class as part of the teaching sequence, and they will be asked questions relating to these practical's as part of their exams.

Biology	Chemistry	Physics
B1 – Microscopy B2 – Osmosis B3 – Enzymes B4 – Food tests B5 – Photosynthesis B6 – Reaction time B7 – Field investigations	C1 – Making salts C2 – Electrolysis C3 – Temperature changes C4 – Rates of reaction C5 – Chromatography C6 – Water purification	P1 – Specific heat capacity P2 – Resistance P3 – I-V characteristics P4 – Density P5 – Force and extension P6 – Acceleration P7 – Waves P8 – Radiation and absorption

**Course Assessment**

The GCSE (9–1) in Combined Science: Trilogy is a linear qualification with 100% external assessment. Students will be entered for the Higher tier for all their exams or Foundation for all their exams. Foundation tier assesses grades 5 to 1 and Higher tier assesses grades 9 to 4.

There are 6 exams each 1 hour 15 minutes long worth 70 marks;

- two Biology – paper 1 covers topics 1-4 and paper 2 covers topics 5-7
- two Chemistry – paper 1 covers topics 1-5 and paper 2 covers topics 6-10
- two Physics – paper 1 covers topics 1-4 and paper 2 covers topics 5-7

Paper 1: Multiple choice, structured, closed short answer, and open response.

Paper 2: Multiple choice, structured, closed short answer, and open response.

**Homework/Independent study**

Students will be expected to complete 1 hour of Biology, 1 hour of Chemistry and 1 hour of Physics homework per fortnight.

Students are also expected to do independent study to support their learning such as making revision materials, completing past paper questions and reading around the subject.



**GCSE Combined Science Cont.**

**Post-16 Progression**

Combined Science gives students a good knowledge of Science and will provide a firm foundation for further study at A level, especially BTEC Level3 Applied Science. It will help students to develop as critical thinkers, who will not only have a factual understanding of the subject, but will also an understanding of the ethical, moral, social and cultural side of the subject.

**Cross-Curricular Skills**

<b>Literacy</b>	<b>Numeracy</b>	<b>Social, Moral, Spiritual and Cultural (SMSC)</b>
<p>Combined Science requires students to demonstrate their ability to construct and develop a sustained and coherent line of reasoning in their extended responses. They will also need to know a number of subject specific keywords and use them appropriately.</p>	<p>Students will be expected to demonstrate their understanding of physical quantities and corresponding units, SI and derived units, and be able to recall and rearrange scientific formulae. Mathematical skills assessment will make up 20% of the examinations.</p>	<p>Science has a huge role in society and influences almost every aspect of our lives. Students will explore the ethical and moral issues on modern day science and also look closely at modern scientific understanding of the world can clash with religious views.</p>

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## GCSE Computer Science

### Course Content

**Exam Board: OCR Course number J277**

The Computer Science course is designed for students who have an interest in the way computers work and an interest in, and aptitude for, programming which requires logical and mathematical thinking\*. The course focuses on students understanding how systems work rather than just using them. This will involve looking at developing programs and applications as well as the role of networks and computer systems. As part of this course of study you will need to have a keen interest in problem solving and creating programs using appropriate programming languages, such as Python. The qualification provides a level of understanding of key computing concepts and the fundamentals of programming. You will learn about:

- Algorithms
- Data Representation
- Computer Networks
- Relational databases and Structured Query Language (SQL)
- Programming
- Computer Systems
- Cyber Security
- Ethical, Legal and Environmental impacts of Digital Technology on Wider society, including issues of Privacy

\*Students' progress in Mathematics will be considered.

### Course Assessment

The course is assessed in two components, outlined below:

*Paper 01: Written Exam (50%)*

Students will be tested on the central processing unit (CPU), computer memory and storage, data representation, wired and wireless networks, network topologies, system security and system software. It tests ethical, legal, cultural and environmental concerns associated with computer science.

*Paper 02: Written Exam (50%)*

Students will be tested further on the knowledge and understanding gained in component 01. They will also be tested on the skills and understanding of computational thinking: algorithms, programming techniques, producing robust programs, computational logic and translators.

#### **Practical programming**

Students are to be given the opportunity to undertake a programming task(s) during their course of study which allows them to develop their skills to design, write, test and refine programs using a high-level programming language. Students will be assessed on these skills during the written examinations, in particular component 02 (section B).

### Homework/Independent study

Homework and Independent study will be undertaken throughout the duration of the course. This will mainly feature as work that can be accessed from the online platform.

### Post-16 Progression

This course will allow you to undertake further study in a range of courses, particularly providing a solid foundation of understanding to undertake the A Level in Computer Science. From this, you will be able to undertake studies at university in a range of areas including: programming, science and engineering. This course would also provide a clear framework for undertaking an apprenticeship within a businesses' IT department.

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Projects require detailed reports including explanations of coding.	Use of logic for coding. Number systems look at Binary and Hexadecimal values.	All projects have a social/ moral focus. One unit of the course is dedicated to the Social, Moral/Ethical and Legal impact of technology in society.

## GCSE French or Spanish

### Course Content

**Exam Board: AQA Course Number: French 8658 Spanish 8698**

A GCSE in a modern foreign language forms part of the EBacc. It is a very highly regarded academic qualification that combines well with other subjects. If you are aiming to continue to an academic course at university, you should study a foreign language at GCSE. You will:

- learn to communicate more accurately in writing and speaking, with an increased emphasis on grammar
- develop a wide range of vocabulary
- learn transferable skills that will enhance your literacy in other subjects
- develop an understanding of the culture of other countries
- be prepared for further language study beyond GCSE

### Course Assessment

Assessment is split evenly across the four key skills of listening, reading, writing and speaking, with each being worth 25% of the final grade. Listening, reading and writing exams will take place in May/June of year 11 and will be marked by the exam board. Speaking exams will take place in April/May of year 11. The speaking test will be conducted by the teacher and marked by the exam board. There are two tiers of entry: Foundation and Higher.

### Homework/Independent study

Homework may be vocabulary learning, reading, listening, writing or speaking preparation. A willingness to commit to learning vocabulary, redrafting writing and practising speaking will be essential. You cannot do well in languages without a considerable amount of out-of-class learning. We will use computer applications such as Memrise and Seneca. These apps automatically record progress which can be traced by the teachers.

### Post-16 Progression

Progression to A level is a logical route after GCSE. A sound knowledge of the higher level grammatical structures and verb tenses will be essential for any student aiming to take an A level in a language. Studying a language at GCSE level is highly regarded by universities. Studying a language at GCSE level will help you to stand out among other candidates on your UCAS applications for university and when applying for jobs in the future.

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Literacy skills are an essential part of language learning. A good command of English is required to access the French and Spanish GCSE papers.	There is a strong correlation between numeracy skills and languages, which require the application of logic, rules and patterns.	Cultural understanding of the way of life, beliefs and customs of French and Spanish-speaking countries is a key component of French and Spanish GCSEs.

## GCSE Geography

### Course Content

#### Exam Board: AQA Geography – Course Code 8035

This varied and exciting AQA GCSE Geography course will provide you with an overview of physical and human Geography. There is a wide range of exciting topics and the opportunity to undertake two full days of fieldwork. You will learn a variety of geographical skills along the way to help you analyse geographical maps and sources. Remember that Geography is an ever changing and up-to-date subject which is exciting, dynamic and valuable.

### Course Assessment

**Unit 1: Living with Physical Environment** This unit involves the study of natural hazards and their challenges, UK physical landscapes and ecosystems. Within this unit you will study topics that include volcanoes, earthquakes, tropical storms, coasts, tropical rainforests and cold environment.

It is a 1½ hour written paper involving multiple choice, short responses and extended case study responses. 35% of the GCSE.

**Unit 2: Challenges in the Human Environment** This unit involves the study of urban issues, economic world and resource management. Within this unit you will study topics that include development, urbanisation, sustainable living, water resources and food resources.

It is a 1½ hour written paper involving multiple choice, short responses and extended case study responses. 35% of the GCSE.

**Unit 3: Geographical Skills** This unit involves 2 compulsory day fieldtrips to contrasting geographical locations and an understanding on how to carry out a geographical enquiry. Within this unit you will learn about a variety of geographical fieldwork methods, data presentation, data analysis and conclusions. There is an element of mathematical knowledge needed for this unit and the work you do in GCSE maths will support this. You will also develop your analytical skills.

It is a 1½ hour paper based around a set of pre-released materials that you study before the examination. The written paper involves multiple choices, short responses and extended fieldwork responses. 30% of the GCSE.

### Homework/Independent study

You will be expected to complete a piece of homework once per fortnight. This could be a revision task, examination question or research. You will be advised to purchase a revision guide and core GCSE textbook to keep at home. This would support your learning at home. You will use ring binder folders in GCSE Geography to keep your classwork and assessments ordered and well presented.

### Post-16 Progression

We are offering the AQA A level which is a natural progression from GCSE.

It is worth remembering that Geography is highly recognised by employers and university due to its wide knowledge base and wide skills base. It is seen as an academically robust subject, which links to a range of jobs from tourism management to town planning to conservation to charities to business management.

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Examination questions and structure Fieldwork enquiry structure Marks in examination for spelling, punctuation and grammar Note making in lessons and research	Data presentation Data manipulation Data analysis Map Skills GIS/ICT Skills	The entire Geography GCSE includes SMSC as we look at human interactions with one another and their environment. The study of people and places develops ideas that link to our rights and responsibilities as citizens for the future.

## GCSE History

### Course Content

#### Exam Board: Edexcel U746 History GCSE 9-1

This is an exciting and challenging GCSE. The three units will cover themes from Modern World History in the years between 1901 and 2014 as well as a broad sweep of British History from 1000-2014 A.D.

**Paper 1:** Crime and Punishment with Environmental study of Whitechapel 1870-1900

**Paper 2:** Anglo-Saxon and Norman England, 1066-88 and The American West, c1835-c1895

**Paper 3:** Weimar and Nazi Germany 1918-39.

The key assessment objectives of the topics will be:

AO1: Knowledge and understanding.

AO2: Explain and analysis of events.

AO3: Analyse and evaluation of sources.

AO4: Analyse and evaluation of interpretations.

### Course Assessment

Paper 1: 1h 15m. 30% of overall mark and 52 marks in total.

Paper 2: 1hr 45m. 40% of overall mark and 64 marks in total.

Paper 3: 1hr 20m. 30% of overall mark and 52 marks in total.

### Homework/Independent study

There is an expectation that students will complete a range of written and research tasks throughout the course. Written homework tasks will include revision of key words and concepts and exam questions. Independent research will involve developing a number of skills such as explaining your opinions, using evidence to support your ideas, describing key events, examining other views and analysing and critically assessing political posters/cartoons.

### Post-16 Progression

History is very highly regarded by universities. The transferable skills and disciplines used in History are of immense value to both employers and universities. The subject is of particular relevance to career areas such as law, the civil service, politics and journalism. History can lead to practically anything. History is highly valued in university courses such as journalism, English, law, nursing or medicine as well as the more obvious History, politics and social sciences. It is similarly appealing to employers from the worlds of finance, management and science.

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
History requires particular kinds of reading and writing strategies that are critical to students being college, career and citizenship ready. It requires that students become creators and connoisseurs of arguments, careful readers, and good questioners. Students must learn that place, time, audience, and purpose matter to how Authors craft and deliver their message.	It is impossible to teach History without involving numeracy - the number of deaths in battles or from diseases, chronology, the changes in population in the black death or unemployment statistics during the Great Depression. Much of what brings these events to life is that these huge changes can often only be expressed fully in numerical form	<u>SPIRITUAL</u> Students are encouraged to explore the role played by important individuals, for good or ill, in the shaping of the world we live in. <u>MORAL</u> Notions of right and wrong are explored in connection with events from the past. <u>SOCIAL</u> Students will be encouraged to develop socially through collaborative and team working activities. <u>CULTURAL</u> Students will study, and be encouraged to gain an understanding of people from different cultural backgrounds.

## GCSE Business Studies

### Course Content

#### Exam Board: Pearson Edexcel Level 1/Level 2 GCSE (9 - 1) in Business (1BS0)

Business studies is focused on how to run a business. It aims to enable students to understand business concepts and terminology and apply their knowledge to real world business examples. The course investigates a lot of real world successes and failures. The aim is to develop students to be enterprising and think commercially.

Many of the discussions and exam questions will ask students to draw on evidence to make informed business decisions. This includes using quantitative skills such as using and interpreting data and doing mathematical calculations.

### Course Assessment

Theme 1 and Theme 2 are studied over the 2 years, both of equal weighting. (50% each)

Theme 1: Investigating small business. Written Examination: 1 hour 45 minutes

- Enterprise and entrepreneurship
- Spotting a business opportunity
- Putting a business idea into practice
- Making the business effective
- Understanding external influences on a business

Theme 2: Building the business. Written Examination: 1 hour 45 minutes

- Growing the business
- Making marketing decisions
- Making operational decisions
- Making financial decisions
- Making human resource decisions

**The exams are mostly longer essay based questions such as 6, 9 and 12 mark essays. Each paper will also require reading and interpreting a business case study justify business decisions. Around 10% of each paper are mathematical calculations so students must know around 10 formulas.**

### Homework/Independent study

Homework is set regularly on the topic covered in class or in preparation of the topic to be covered in future. It may involve writing practice exam questions or completing only MCQ quizzes.

This course is challenging and enjoyable, with plenty of opportunities for student involvement in lessons and project work as well as exam practice sessions. The course gives the opportunity to think independently as an entrepreneur and come up with strategies to solve real problems faced by businesses when expanding.

### Post-16 Progression

The Business course gives you the opportunity to pursue your business at A level or BTEC in sixth form. Studying Business Studies in sixth form opens the door to a wider range of university courses, such as Law, International Business, Marketing, Accounting and Finance etc. The degree programmes give you the opportunity to do a placement nationally or studying abroad.

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Reading articles. Watching business news. Completing case studies. Researching businesses. Completing class tasks. Working on exam techniques.	Finance which involves calculating break even, cash flow forecasts, budgets, costs and revenue. Calculating profit margins.	Business ethics. Environment Targeted market. Team working. Use of social media. Making Human resources decisions. Visiting companies. Understanding different markets.

**GCSE Drama**

**Course Content**

**Exam Board: OCR**

Do you enjoy performing in front of an audience? Do you love working independently? Do you enjoy working as part of a team? Do you enjoy watching performances?

Have you considered Drama? This is a subject that more and more employers look for on a CV. It shows you are creative, it shows you are able to present and it shows that you are able to work with others to create a product for a target audience by a deadline.

The GCSE Drama course is an exciting opportunity for students to develop a wide range of acting skills and an understanding of performing in the theatre. The course is 60% practical and 40% theory.

Students will research and explore a stimulus, work collaboratively and create their own devised drama.

Students will develop and apply theatrical skills in acting by presenting a showcase of two extracts from a performance text.

Students will explore practically a performance text to demonstrate their knowledge and understanding of drama as well as analyse and evaluate a live theatre performance.

**Only take this subject if you enjoy performing in front of an audience.**

**Course Assessment**

Drama consists of two components that are externally assessed and one component that is internally assessed and externally moderated.

Students will create a devised performance from a stimulus in a group. The performance will be assessed by a member of staff and will be moderated by the exam board. Students will also have to create a portfolio of evidence during the devising process as well as an evaluation of their performance.

This practical element is worth 30% of the GCSE.

Students will study a text and perform two extracts from the text to a visiting examiner. Students will also have to submit a concept pro forma that describes their research of the text and their artistic intention for the performance.

This practical element is worth 30% of the GCSE.

Students will sit a 1 ½ hour written exam with two sections. In Section A students must answer questions about the study of a performance text and the development of drama and performance. In Section B they must review, analyse and evaluate the work of others in a live theatre performance. This written element is worth 40% of the GCSE.

**Homework/Independent study**

Students will be required to complete written homework once a fortnight as well as organise and attend extra-curricular rehearsals for practical work. They will be expected to research and log their devising work independently.

**Post-16 Progression**

Success in GCSE Drama can lead to many post-16 courses. A-Level Drama is an obvious choice, but this course also helps students wishing to go on to study in many different areas including Film, Law, Psychology, Art, Business and Politics.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Students will study play texts and will have many opportunities to practise their written exam skills throughout the course.	Technical aspects of staging drama performances.	Teamwork. Cultural significance of drama as an art form. Drama from other cultures. Self-expression. Wide range of SMSC issues covered.

## GCSE Economics

### Course Content

#### Exam Board: OCR GCSE Economics J205

Economics is a highly challenging, fast paced and rewarding subject which will help students to understand how the world works. Economics is about people and their economic choices.

The subject will help students to:

- Understand the theory of how markets operate. How do producers and consumers interact to set prices and outputs?
- Evaluate the role of government in markets such as the justification and effectiveness of taxes, subsidies, minimum and maximum prices and government regulations.
- understand how the economy works nationally and globally such as economic growth, unemployment, inflation and trade.
- Evaluate the tools employed by governments and central banks to reach desired economic objectives such as taxes, government budgets and interest rates.
- understand and apply their economic knowledge and skills to investigate current and historical economic situations and issues in a range of national and global contexts
- build economic arguments, making informed judgements by using economic concepts and quantitative evidence through the use, application and interpretation of data
- read economic articles to appreciate how leading economists approach economic problems
- consider moral, ethical and sustainability issues that arise as a result of the impact of economic activity.

### Course Assessment

Theme 1 and Theme 2 are studied over the 2 years, both of equal weighting (50% each)

Theme 1: Introduction to Economics (Microeconomics). Written Examination: 1 hour 30 min

- The Economic Problem (why we must make choices)
- Supply and Demand
- Competition and Production
- Labour Markets
- Financial Markets

Theme 2: National and International Economics (Macroeconomics) Written Examination: 1 hour 30 minutes

- Economic Growth
- Unemployment
- Inflation
- International Trade and exchange rates
- Income and Wealth Inequality
- Fiscal policy (taxes and government spending)
- Monetary Policy (interest rates)
- Supply Side Policies
- Market failure and government intervention

### Homework/Independent study

Homework is set regularly on the topic covered in class or in preparation of the topic to be covered in future. It may involve writing practice exam questions or completing only MCQ quizzes.



**GCSE Economics Cont.**

**Post-16 Progression**

The Economics course can lead into studying Economics at A level and most commonly leads to careers in banking and finance. However, Economics is a broad subject which pairs well with many career paths. Some may go down a more humanities route pairing it with subjects like Politics, History or Geography. This can lead to careers in law and journalism, politics or development. Others may go down a more mathematical path, pairing it with Maths or Computer Science which can lead into careers in banking and finance.

**Cross-Curricular Skills**

<b>Literacy</b>	<b>Numeracy</b>	<b>Social, Moral, Spiritual and Cultural (SMSC)</b>
Reading articles. Watching economic news. Completing case studies. Researching economic case studies. Completing class tasks. Working on exam techniques.	Those who enjoy maths usually enjoy Economics. Calculating costs, revenue and profit. Calculating percentage changes. Drawing graphs and interpreting economic data.	Students who are passionate about social issues will enjoy Economics as it provides many debates and discussions about the right way to balancing equity with efficiency in e government policy.

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**GCSE Art & Design – Fine Art**

**Course Content**

**Exam Board: AQA Course Number: 8202**

The course will particularly appeal to students who are looking for a course that is practical in nature. A range of different units of coursework arise from a variety of fine art projects. It is the perfect choice for aspiring artists, sculptors and graphic students. Examples of project starting points are: natural forms, portraiture, the human figure and architecture.

During the course, students will develop skills in the following areas:

- studying the work of other artists and designers - both in and out of school
- developing enquiry, analytical, presentation and creative skills
- enriching lives through cultural and contextual information
- using a wide range of media and techniques including paint, clay, digital media, drawing media and print
- collecting ideas and resources and responding in written and visual forms
- improving observational drawing skills
- completing personal responses to negotiated project briefs.

**Course Assessment**

**Portfolio:** Coursework involves work completed at school and home in the form of project files, sketchbooks and final outcomes. There will be two projects that will be submitted for their coursework and this equates to 60% of the final GCSE grade.

**Externally set task:** The exam unit is a project set by the exam board that ends with a supervised assessment (creation of a practical final piece in exam conditions). Students are given a selection of starting points to choose from for their exam project, which last 4 months. The exam project work and final supervised assessment equates to 40% of the final GCSE grade.

**Homework/Independent study**

Students are required to complete one homework every other week lasting a minimum of an hour each time. Homework varies between research, practical and editing based tasks.

**Post-16 Progression**

Success in GCSE Art and Design can lead onto many of our courses post-16 A-level Art, A-level Photography, A-level Textiles all available at Theale Green School. Students will also develop valuable transferable skills in teamwork and communication that will be of value to them no matter what career they choose to follow.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Students are taught how and where to use specialist vocabulary which develops into extended writing about artists and personal development. Using visual literacy to understand and explain meanings and intentions of artists' and personal work.	Enlargement and reduction in designing and planning. Tessellation and repetition in creating pattern. Measuring scale and proportions with and without tools. Use of symmetry. Construction and understanding of form. Turning 2D into 3D within sculpture.	Students develop their understanding, techniques and ideas by using art/craft/culture as a basis of inspiration. Students are encouraged to express their ideas and opinions as well as respect others. Students also learn how to use their imagination effectively and learn about the world around them.

**GCSE Art & Design – Graphic Communication**

**Course Content**

**Exam Board: AQA Course Number: 8203**

The course will particularly appeal to students who are looking for a course that is design lead and practical in nature. A range of different units of coursework arise from project briefs and design challenges. Students will get to explore typography, illustration, design for print and packaging design. It is the perfect choice for aspiring designers and artists. Examples of potential starting points are: conceptual packaging, album cover design and logo design for a company of choice.

During the course, students will develop skills in the following areas:

- studying the work of other artists and designers - both in and out of school
- developing enquiry, analytical, presentation and creative skills
- enriching lives through cultural and contextual information
- using a wide range of media and techniques including digital media, print, drawing and painting
- collecting ideas and resources and responding in written and visual forms
- improving design skills
- completing personal responses to negotiated project briefs.

**Course Assessment**

**Portfolio:** Coursework involves work completed at school and home in the form of project files, sketchbooks and final outcomes. There will be two projects that will be submitted for their coursework and this equates to 60% of the final GCSE grade.

**Externally set task:** The exam unit is a project set by the exam board that ends with a supervised assessment (creation of a practical final piece in exam conditions). Students are given a selection of starting points to choose from for their exam project, which last 4 months. The exam project work and final supervised assessment equates to 40% of the final GCSE grade.

**Homework/Independent study**

- Students are required to complete one homework every other week lasting a minimum of an hour each time.
- Homework varies between research, practical and editing based tasks.

**Post-16 Progression**

Success in GCSE Art and Design can lead onto many of our courses post-16 A-level Art, A-level Photography, A-level Textiles all available at Theale Green School. Students will also develop valuable transferable skills in teamwork and communication that will be of value to them no matter what career they choose to follow.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Students are taught how and where to use specialist vocabulary which develops into extended writing about artists and personal development. Using visual literacy to understand and explain meanings and intentions of artists' and personal work.	Enlargement and reduction in designing and planning. Tessellation and repetition in creating pattern. Measuring scale and proportions with and without tools. Use of symmetry. Construction and understanding of form. Turning 2D into 3D within sculpture.	Students develop their understanding, techniques and ideas by using art/craft/culture as a basis of inspiration. Students are encouraged to express their ideas and opinions as well as respect others. Students also learn how to use their imagination effectively and learn about the world around them.

**WJEC LEVEL 1 / 2 AWARD in Hospitality and Catering (Food)**

**Course Content**

**Exam Board:** WJEC 601/7703/2

This course offers an exciting insight into the hospitality and catering industry where you can unveil your creativity through the art of food. It is a perfect opportunity for those who love to cook and bake wonderful dishes. This course is split between an exam, coursework and practical work. You will be able to take pictures of the food you cook to show your family and to build your own portfolio.

**Course Assessment**

The course is a combination of theory and practical with greater point scores available for practical components. The course will be graded Level 1 Pass, Level 1 Merit, Level 1 Distinction, Level 1 Distinction\*, Level 2 Pass, Level 2 Merit, Level 2 Distinction or Level 2 Distinction\*.

**(Theory) Unit 1: The Hospitality and Catering Industry** will be externally assessed. The external assessment is available in June each year and the exam can be sat online or in paper version. Duration: 80 minutes (80 marks)

Assessment format: Short and extended answer questions based around applied situations. Students will be required to use stimulus material presented in different formats to respond to questions.

**(Practical) Unit 2: Hospitality and Catering in Action** is internally assessed. There are five areas of task taking that are controlled: time, resources, supervision, collaboration and resubmission. Students apply their learning to safely prepare, cook, evaluate and present nutritional dishes. They will draw on their learning of different types of provision and kitchen and front of house operations in Unit 1, as well as personal safety in their preparations. This task will take 12 hours which includes a combination of controlled lessons and a final 3 hour cook.

**Homework/Independent study**

Students will be expected to:

Purchase and prepare ingredients for practical lessons. Practice practical skills at home e.g. knife skills.

Research recipes and conduct market research. Revise and complete theory work to support Unit 1 preparation.

Evaluate practical lessons and learning. Watching cooking programmes to develop practical skills.

**Post-16 Progression**

The WJEC Level 1/2 Vocational Award in Hospitality and Catering has been designed to support students who want to learn about this vocational sector and the potential it can offer them for their careers or further study. It is most suitable as a foundation for further study of hospital and catering. Employment in hospitality and catering can range from waiting staff, receptionists and catering assistants to chefs, hotel and bar managers and food technologists in food manufacturing. All of these roles require further education and training either through apprenticeships or further and higher education.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
<p>Students will develop their use of catering and hospitality terminology learning new key words, phrases and spellings associated with this industry. Students will be encouraged to develop their use of subject specific vocabulary through the use of recipe booklets and evaluations.</p>	<p>Students will explore shape and pattern through practical tasks. There will be an emphasis on presentation and artistic design of food. Students will become familiar with metric and imperial in relation to weight and temperature.</p>	<p>Students will recognise the importance of behaving safely in the space (moral) Students will develop their understanding of how to work in a group situation with co-operation, perseverance, patience (social)</p>

**WJEC LEVEL 1 / 2 AWARD in Hospitality and Catering (Food) Contd.****Cross-Curricular Skills Contd.**

Students will use a stimulus to be able to answer short format questions.	Students will be able to work out timings and time plans for a recipe.	Students will develop a knowledge and understanding of different types of cultures, religions and morals in relation to their own when exploring a variety of food from other cultures and religions. Students will develop an understanding of dietary needs and preferences.
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**GCSE Music**

**Course Content**

**Exam Board: EDEXCEL**

This course is ideally suited to anyone with an interest in Music. You will get the chance to practise and perform music in any style you wish and this can be tailored for your individual needs. You study eight set pieces from a range of genres and answer questions about these pieces using the skills you have learnt. You will create two compositions, one from a brief and one 'free' in which you may compose in any way you wish. There will also be two recorded performances on an instrument of your choice or using your voice, one will be solo and one as an ensemble.

**Course Assessment**

Component 1: Performance 1: Solo Performance 2: Ensemble (30%)  
 Component 2: Composition 1: Composing to a brief. Composition 2: Free Composition (30%)  
 Component 3: Listening and analysis paper (40%)

**Homework/Independent study**

Performance will include individual/group practice and instrumental/vocal tuition.  
 Composition will include creating and extending ideas on Musescore or Soundtrap and listening to music for inspiration.  
 Listening and analysis will include using Focus on Sound to imbed the set works and to develop skills in creating short and long answer questions.

**Post-16 Progression**

There are many skills involved in studying music which employers, further education colleges and universities value highly. Research and inspection outcomes show conclusively, that students develop a higher level of attainment across all levels of ability, achievement and enrichment when they study Music. Pupils studying Music as part of both technical and academic disciplines do better than those studying only technical or academic disciplines. Music students demonstrate that their brain is highly trained in listening skills and processing information and can also work under pressure to create and perform new ideas. Music can help develop your problem solving, analytical and presentation skills and further your skills in planning and teamwork.

This course can lead to A Level Music/BTEC's and is ideal for anyone looking to study music or performance at a University or any course related to the industry, Music Conservatoire or as an apprentice in the Music industry. It will also give you plenty of skills for jobs involving the skills above or in becoming a performer yourself.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Learning keywords, analysing and understanding styles of music. Italian language.	Music notation/reading and composition skills.	Understanding music as an important part of all culture and belief systems.

## GCSE Photography

### Course Content

**Exam Board: AQA Course Number: 8206**

The Photography course allows students to be creative through a different choice of media. Students get to use the camera to explore the world around them and make comment on what they see. Students will get to learn about the camera and how to compose and arrange strong images, alongside learning how to digitally present and enhance their work using computer software and a range of practical techniques. Students get to explore a wide range of projects, starting with 'the world around me' and portraiture and then they move on to explore an independent project of their choice. This course would suit someone who enjoys taking photographs and working digitally with computers.

During the course, students will develop skills in the following areas:

- studying the work of other artists
- developing enquiry, analytical, presentation and creative skills
- enriching lives through cultural and contextual information
- developing technical knowledge of cameras, lighting equipment and Photoshop
- collecting ideas and resources and responding in written and visual forms
- completing personal responses.

### Course Assessment

**Portfolio:** Coursework involves work completed at school and home in the form of project files, sketchbooks and final outcomes. There will be two projects that will be submitted for their coursework and this equates to 60% of the final GCSE grade.

**Externally set task:** The exam unit is a project set by the exam board that ends with a supervised assessment (creation of a practical final piece in exam conditions). Students are given a selection of starting points to choose from for their exam project, which last 4 months. The exam project work and final supervised assessment equates to 40% of the final GCSE grade.

### Homework/Independent study

- Students are required to complete one homework every other week lasting a minimum of an hour each time.
- Homework varies between research, practical and editing based tasks.

### Post-16 Progression

Success in GCSE Photography can lead onto many courses post-16

- A-level Art (available at Theale Green School)
- A-level Photography (available at Theale Green School)
- A-level Textiles (available at Theale Green School)

### Cross-Curricular Skills

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Students are taught how and where to use specialist vocabulary which develops into extended writing about artists and personal development. Using visual literacy to understand and explain meanings and intentions of artists' and personal work.	Enlargement and reduction in designing and planning. Tessellation and repetition in creating pattern. Measuring scale and proportions with and without tools. Use of symmetry. Construction and understanding of form. Turning 2D into 3D. Understanding aperture and shutter speeds on cameras.	Students develop their understanding, techniques and ideas by using photographers' work as a basis of inspiration. Students are encouraged to express their ideas and opinions as well as respect for others. Students also learn how to use their imagination effectively and learn about the world around them.

**GCSE Physical Education**

**Course Content**

**Exam Board: Edexcel Course Number: 1PE0/01, 1PE0/02, 1PE0/03, 1PE0/04**

Theoretical element (60% of course)

Section 1 – Applied anatomy and physiology, movement analysis, physical training and use of data

Section 2 – Health, fitness and wellbeing, sport psychology, socio-cultural influences and use of data

Practical element (30% of course) Consists of students completing three physical activities (30%) from a set list:

One team activity, one individual activity and the final activity can be a free choice.

Personal Exercise Programme (10%) includes: Aim and planning analysis, carrying out and monitoring the PEP and evaluation of the PEP

**Course Assessment**

GCSE PE theory element (60%)

Two written examinations: Exam 1 - Fitness and body systems (36%) - 1 hour and 30 minutes

Exam 2 – Health and performance (24%) - 1 hour and 15 minutes

Practical performance (30%) - non examined assessment of three activities, internally marked and externally moderated.

Personal exercise programme (10%) – non examined assessment, internally marked and externally moderated.

**Expectations/Homework/Independent study**

Expectations - All students are expected to be playing at least **one sport (competitively)** outside of school and be engaged in at least **two extra-curricular competitive sports regularly throughout Key Stage 3**. It is also compulsory for all GCSE PE students to be a part of the Leadership Academy where they will be expected to help lead and officiate after school primary festivals as well as competing in house matches and sports day. Students will also be expected to attend off-site climbing sessions as part of their practical assessment. This will be organised by the PE department.

Homework/Independent Study - Students will be given theory homework on a weekly basis, which will include revision for end of unit topic tests. Students are expected to keep an organised A4 ring binder folder which will include all notes, worksheets and topic tests.

**Post-16 Progression**

Students can progress from this qualification to:

- further study of physical education at AS and A Level
- vocational courses such as the Level 3 BTEC Sport qualification (offered at Theale Green)
- apprenticeships and other training
- employment in a related sector

**Cross-Curricular Skills**

**Literacy**

Theory exams include a number of written extended answer questions where marks are awarded for quality of written communication. Students will be expected to draw on their knowledge and understanding in relation to questions, apply their knowledge and understanding and come to a reasoned judgement in order to answer the specific requirement of a question.

**Numeracy**

More of an emphasis on numeracy skills in the new Edexcel specification with the use of data, particularly in relation to resting, working and recovery heart rates within the theoretical content of the course. Students expected to be able to understand the use of graphs and apply to practical situations.

**Social, Moral, Spiritual and Cultural (SMSC)**

Interpersonal skills: Communication – active listening, oral communication, written communication, assertive communication and non-verbal communication.  
Relationship building skills – teamwork, trust, self-presentation, social influence, conflict resolution and negotiation.



**GCSE Religious Studies**

**Course Content**

**Exam Board: AQA Course: GCSE (9-1) Religious Studies Route A**

Religious Studies will help you improve your understanding of people and religious influences on their lives. This course will appeal to those who are interested in exploring a variety of important issues in the world today such as religious views on crime, peace and conflict, moral issues such as abortion and euthanasia and relationships. You will focus on two major world religions, Christianity and Islam, although there will be some opportunity to explore other religious ideas, beliefs and attitudes.

We follow the AQA A specification, which covers religious, philosophical and ethical thought and teaching.

**Component 1:** Beliefs, Teachings and Practices in Christianity and Islam. This component covers beliefs and teachings about the nature of God, the afterlife, authority, as well as exploring a wide range of religious practices and festivals.

**Component 2:** Themes – We study four themes:

Theme A: Relationships and Families

Theme B: Religion and Life

Theme D: Religion, Peace and Conflict

Theme E: Religion, Crime and Punishment

**Course Assessment**

**Students will take two exams at the end of Year 11.**

- 2 x 1 hour 45 minute exams. One on Christianity and Islam, and the other on the philosophical issues

These components will be assessed by compulsory questions focussing on knowledge, understanding and evaluation of the subject content.

**Homework/Independent study**

Homework will be set once a week and will mostly be exam practice questions or research. You will also be expected to link classwork to what is happening in the outside world and include this information in exam questions.

We use a variety of teaching and learning methods to ensure that all students are catered for and enjoy the lessons.

We study issues in class that often lead to group work and research. We enjoy plenty of class discussions and focus on the skill of debate as this is a crucial part of our work in RS. This will be a vital skill that we learn to translate into written discussion.

Learning of quotes from both the Bible and Qu’ran to demonstrate your understanding of how religion influences lives today is essential. You will need to use these to demonstrate how people can interpret modern world issues.

You will be expected to keep your class book up to date and you will have the opportunity to complete guided practice exam questions to get you familiar with the exam requirements. Revision guides will be available for students to purchase and there will be revision sessions for students to attend in Year 11.

**Post-16 Progression**

Students can go on to study Philosophy at A level where they will complete modules in Philosophy, Ethics and metaphysics of the mind. They will take two exams after a 2-year course. This course will enable students to expand on their GCSE knowledge and also to study Ethics and Philosophy in a lot more depth.

**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Students are marked on their use of spelling, punctuation and grammar so this prioritised in all written work. New key words and the development of written arguments are also main features of the course.	Understanding key facts and figures will support and develop their written responses.	Students consider their place within society and the impacts of their actions and beliefs. They learn to look at the world with empathy, aiming to explore their own views while respecting and valuing others’ views.



## GCSE Triple Science

### Course Content

**Exam Board: AQA GCSE Biology A (9-1) - 8461, AQA GCSE Chemistry A (9-1) - 8462 and AQA GCSE Physics (9-1) - 8463**

In AQA GCSE Biology, Chemistry and Physics the content is divided into the following topics:

Biology	Chemistry	Physics
B1 – Cell Biology B2 – Organisation B3 – Infection and response B4 – Bioenergetics B5 – Homeostasis and response B6 – Inheritance, variation and evolution B7 – Ecology B8 – Key ideas	C1 – Atomic structure and the periodic table C2 – Bonding, structure, and the properties of matter C3 – Quantitative chemistry C4 – Chemical changes C5 – Energy changes C6 – The rate and extent of chemical change C7 – Organic chemistry C8 – Chemical analysis C9 – Chemistry of the atmosphere C10 – Using resources	P1 – Energy P2 – Electricity P3 – Particle model of matter P4 – Atomic structure P5 – Forces P6 – Waves P7 – Magnetism and electromagnetism P8 – Space physics

To replace controlled assessments there are also required practicals. Students will complete practical's in class as part of the teaching sequence, and they will be asked questions relating to these practical's as part of their exams.

Biology	Chemistry	Physics
B1 – Microscopy B2 - Microbiology B3 – Osmosis B4 – Enzymes B5 – Food tests B6 – Photosynthesis B7 – Reaction time B8 – Plant responses B9 – Field investigations	C1 – Making salts C2 - Neutralisation C3 – Electrolysis C4 – Temperature changes C5 – Rates of reaction C6 – Chromatography C7 – Identifying ions C8 – Water purification	P1 – Specific heat capacity P2 – Thermal insulation P3 – Resistance P4 – I-V characteristics P5 – Density P6 – Light P7 – Force and extension P8 – Acceleration P9 – Waves P10 – Radiation and absorption

### Course Assessment

The GCSE (9–1) in Biology, Chemistry and Physics are linear qualifications with 100% external assessment. Students can be entered for the Higher tier or Foundation tier. Foundation tier assesses grades 5 to 1 and Higher tier assesses grades 9 to 4.

There are 6 exams each 1 hour 45 minutes long worth 100 marks;

- two Biology – paper 1 covers topics 1-4 and paper 2 covers topics 5-7
- two Chemistry – paper 1 covers topics 1-5 and paper 2 covers topics 6-10
- two Physics – paper 1 covers topics 1-4 and paper 2 covers topics 5-8

Paper 1: Multiple choice, structured, closed short answer, and open response.

Paper 2: Multiple choice, structured, closed short answer, and open response.

### Homework/Independent study

Students will be expected to complete 1 hour of Biology, 1 hour of Chemistry and 1 hour of Physics homework per week.

Students are also expected to do independent study to support their learning such as make revision materials, completing past paper questions and reading around the subject.

**GCSE Triple Science Cont.**

**Post-16 Progression**

Triple Science gives students a good knowledge of science and will provide a firm foundation for further study at A level. It will help students to develop as critical thinkers, who will not only have a factual understanding of the subject, but will also an understanding of the ethical, moral, social and cultural side of the subject.

**Cross-Curricular Skills**

<b>Literacy</b>	<b>Numeracy</b>	<b>Social, Moral, Spiritual and Cultural (SMSC)</b>
Triple Science requires students to demonstrate their ability to construct and develop a sustained and coherent line of reasoning in their extended responses. They will also need to know a number of subject specific keywords and use them appropriately.	Students will be expected to demonstrate their understanding of physical quantities and corresponding units, SI and derived units, and be able to recall and rearrange scientific formulae. Mathematical skills assessment makes up 20% of the examinations.	Science has a huge role in society and influences almost every aspect of our lives. Students will explore the ethical and moral issues on modern day science and also look closely at modern scientific understanding of the world can clash with religious views.

*Head of Science: Mrs N Onions*

*TGS\_Science@thealegreen.w-berks.sch.uk*

**GCSE Art & Design: 3D Art**

**Course Content**

**Exam Board: AQA Course Number: 8202**

Making work in 3D allows students to explore a different creative skill compared to traditional fine Art. Students will need to consider 360-degree view of the sculptures that they make, and the display of their work. Hands on, the course will particularly appeal to students who are looking for a course that is practical in nature and enjoys designing and creating sculptures. A range of different units of coursework arise from a variety of project starting points and students will get to explore a range of materials and explore the process of creating 3D work. Examples of project starting points are: natural forms, everyday objects and architecture.

During the course, students will develop skills in the following areas:

- studying the work of other artists and designers - both in and out of school
- developing enquiry, analytical, presentation and creative skills
- enriching lives through cultural and contextual information
- using a wide range of media and techniques including clay, wire, cardboard, plaster, metal and wood.
- collecting ideas and resources and responding in written and visual forms
- improving observational drawing skills
- completing personal responses to negotiated project briefs.

**Course Assessment**

**Portfolio:** Coursework involves work completed at school and home in the form of project files, sketchbooks and final outcomes. There will be two projects that will be submitted for coursework and this equates to 60% of the final GCSE grade.

**Externally set task:** The exam unit is a project set by the exam board that ends with a supervised assessment (creation of a practical final piece in exam conditions). Students are given a selection of starting points to choose from for their exam project, which last 4 months. The exam project work and final supervised assessment equates to 40% of the final GCSE grade.

**Homework/Independent study**

Students are required to complete one homework every other week lasting a minimum of an hour each time. Homework varies between research, practical and editing based tasks.

**Post-16 Progression**

Success in GCSE Art and Design can lead onto many of our courses post-16 A-level Art, A-level Photography, A-level Textiles all available at Theale Green School. Students will also develop valuable transferable skills in teamwork and communication that will be of value to them no matter what career they choose to follow.

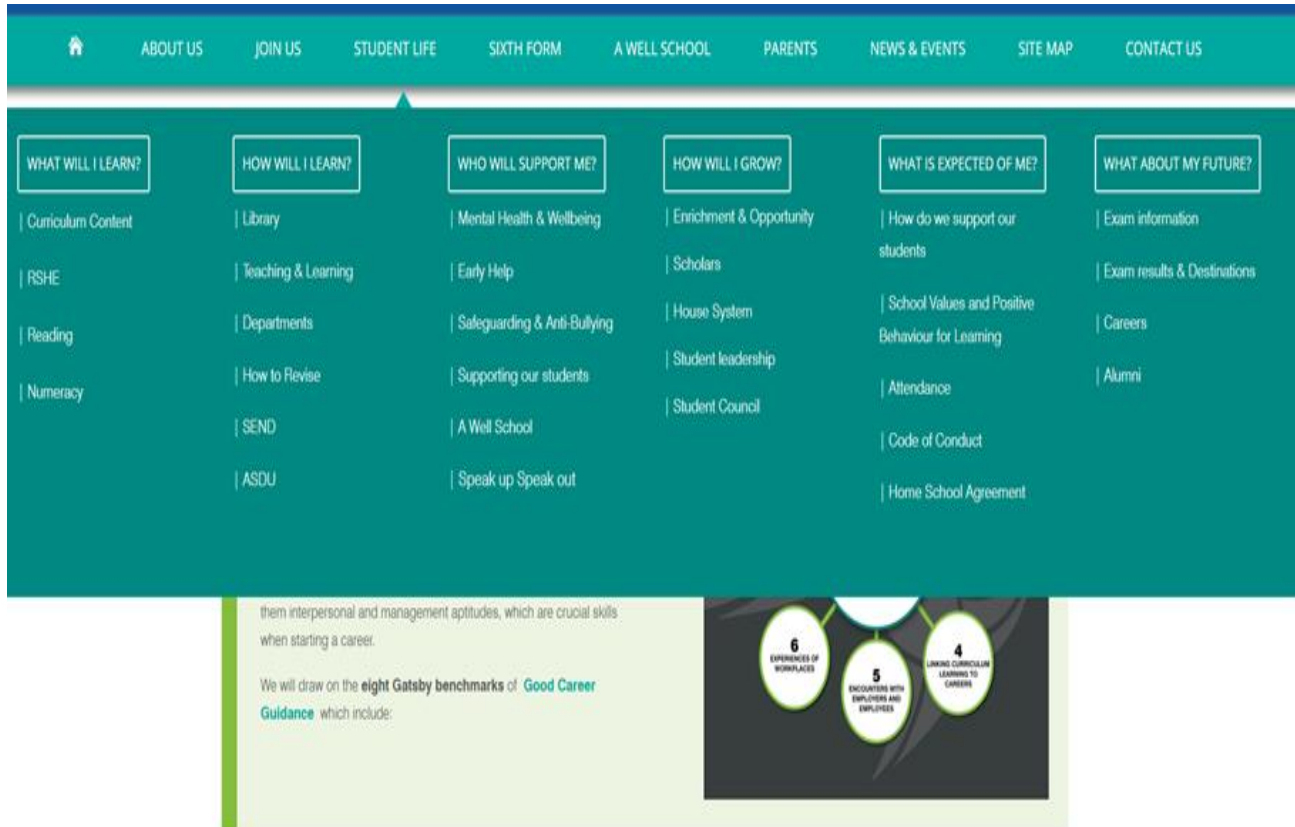
**Cross-Curricular Skills**

Literacy	Numeracy	Social, Moral, Spiritual and Cultural (SMSC)
Students are taught how and where to use specialist vocabulary which develops into extended writing about artists and personal development. Using visual literacy to understand and explain meanings and intentions of artists' work.	Enlargement and reduction in designing and planning. Tessellation and repetition in creating pattern. Measuring scale and proportions with and without tools. Use of symmetry. Construction and understanding of form. Turning 2D into 3D within sculpture.	Students develop their understanding, techniques and ideas by using art/craft/culture as a basis of inspiration. Students are encouraged to express their ideas and opinions as well as respect others. Students also learn how to use their imagination effectively and learn about the world around them.

## CAREERS AND LABOUR MARKET INFORMATION

We have recently updated our school website to bring together a lot of information that will be useful to students and parents. This can be found using the following link:


<https://www.thealegreen.w-berks.sch.uk/parents/careers/>



WHAT WILL I LEARN?	HOW WILL I LEARN?	WHO WILL SUPPORT ME?	HOW WILL I GROW?	WHAT IS EXPECTED OF ME?	WHAT ABOUT MY FUTURE?
Curriculum Content	Library	Mental Health & Wellbeing	Enrichment & Opportunity	How do we support our students	Exam information
RSHE	Teaching & Learning	Early Help	Scholars	School Values and Positive Behaviour for Learning	Exam results & Destinations
Reading	Departments	Safeguarding & Anti-Bullying	House System	Attendance	Careers
Numeracy	How to Revise	Supporting our students	Student leadership	Code of Conduct	Alumni
	SEND	A Well School	Student Council	Home School Agreement	
	ASDU	Speak up Speak out			

them interpersonal and management aptitudes, which are crucial skills when starting a career.

We will draw on the **eight Gatsby benchmarks of Good Career Guidance** which include:



Within this area there are also sections on:

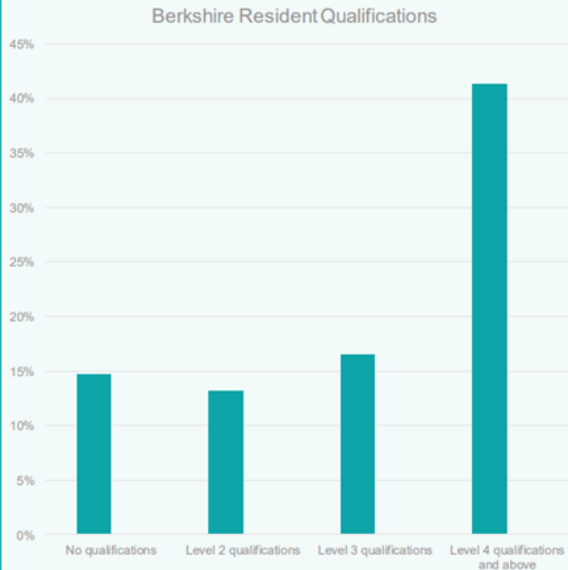
- Careers information
- Apprenticeships
- Careers guide for parents
- Writing a CV and cover letter
- Interview tips
- Labour market information



**A Highly Educated Berkshire: 41% Attain Level 4 qualifications or above**

**Key facts**

- A significant portion of Berkshire's population, 41.31%, possesses Level 4 qualifications or higher.
- Residents with Level 2 and Level 3 qualifications (13.21% and 16.51%, respectively) form a considerable part of the population.



Jobs that require level 4 qualifications include:

- Junior Business Analyst
- Engineering Technician
- Computer Network Support
- Assistant Manager
- Graphic Designer
- Laboratory Technician
- Healthcare Practitioner
- Marketing Associate
- Teaching Assistant
- Human Resources Coordinator

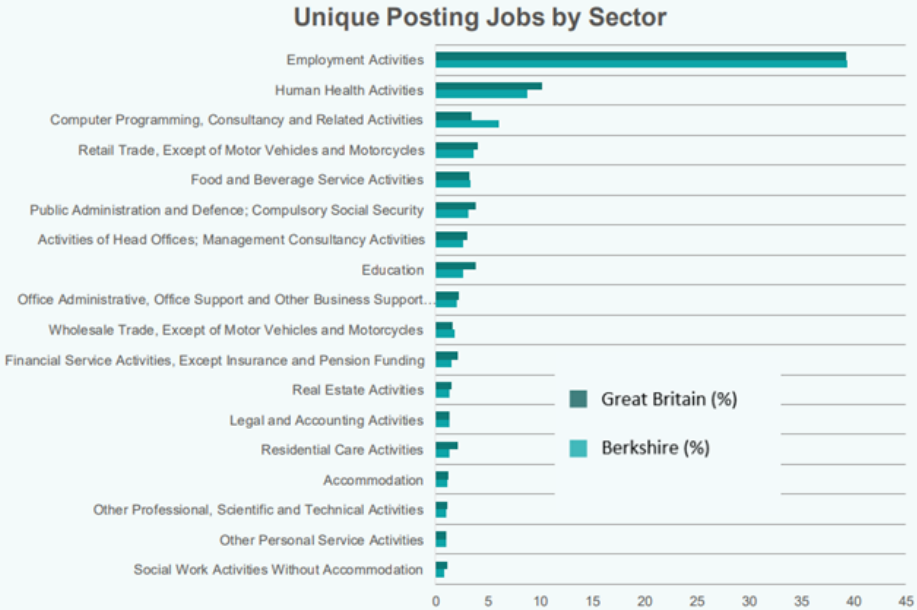
No qualifications: no formal qualifications  
 Level 1: one to four GCSE passes (grade A\* to C or grade 4 and above) and any other GCSEs at other grades, or equivalent qualifications  
 Level 2: five or more GCSE passes (grade A\* to C or grade 4 and above) or equivalent qualifications apprenticeships  
 Level 3: two or more A Levels or equivalent qualifications  
 Level 4 or above: Higher National Certificate, Higher National Diploma, Bachelor's degree, or postgraduate qualifications

Sources: [EMSI](#), [ONS](#)

**The Tech Sector is thriving in Berkshire**

**Key facts**

- Computer Programming, Consultancy and Related Activities sector is thriving in Berkshire.
- This sector accounts for 6% of employees (compared to 3% nationally)



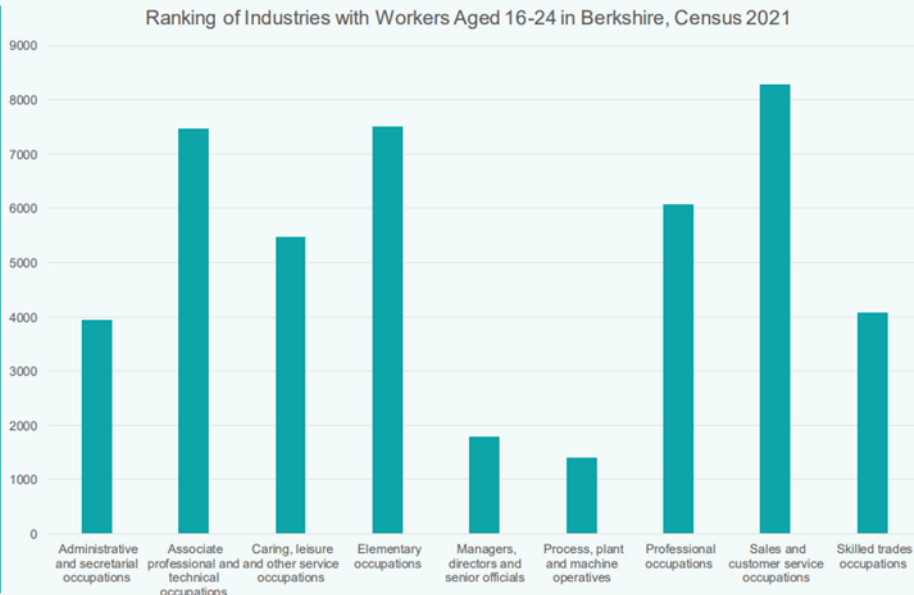
Source: [EMSI](#)



### Young workforce gravitates towards Technical Roles

**Key facts**

- Associate professional and technical occupations are the leading fields for young adults
- Elementary occupations are another primary employment area for those aged 16-24, with 7,509 individuals employed.

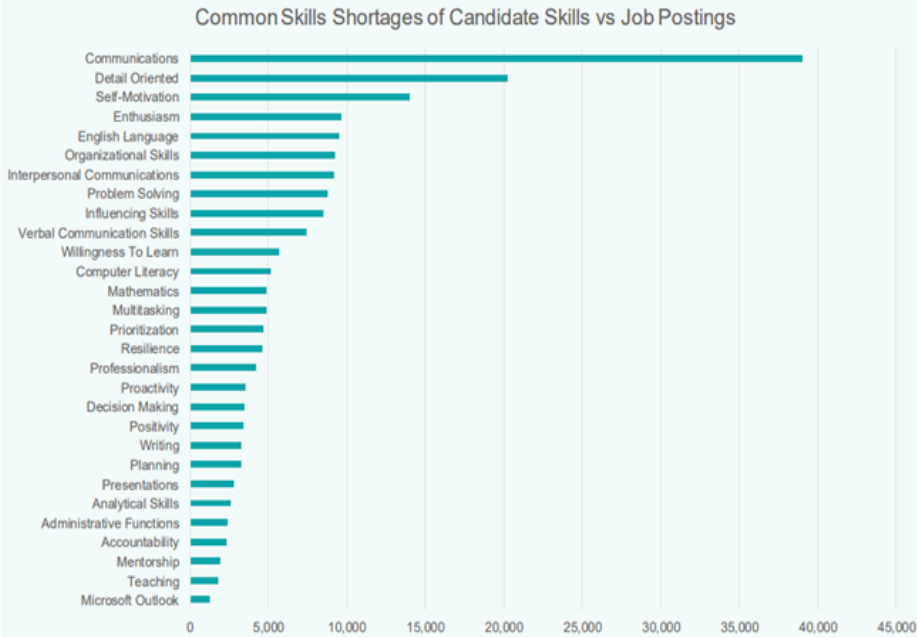


Source: [ONS](#)

### High demand for Communication and Detail-Oriented Skills

**Key facts**

- The most significant **tech skills** shortages are observed in **Computer Literacy** and **Mathematics**, with a gap of 8,790 and 4,926 between job postings and profile skills.
- Top demanded **soft skills** are **Communications** and **Detail Oriented**, with a gap of 39,018 and 20,240.



Source: [EMSI](#)



The main common skills Berkshire employers are looking for

**Key facts**

- The skill with the highest number of job postings is **Communications**, with 68,096 postings.
- Management skills are the second most sought after with 49,954 postings, followed by Customer Service at 39,292 postings.



**Key facts**

- High-tech roles in computer facilities management and satellite telecommunications are not only niche but also highly remunerated, with average wages exceeding £55,000.

**Key facts**

- Job positions that employers in Berkshire find most difficult to fill include engineers; social workers; chefs; waiting and bar staff; software developers; lorry drivers; health workers; teachers and Apprentices.