



**Fairfield
High School**

Achieving Excellence



KS4 Options

For Year 9 Students, Parents & Carers

Contents

Introduction and background information	4
Careers advice	7
Options timeline	8
Initial Options Form	9
Subject information sheets:	
Core subjects	10
Optional GCSE/Vocational courses	15

The Options Process

Welcome to your options process. You now have the opportunity to choose those subjects that you will study for the next two years and possibly into Post 16 and university. These decisions are important for your future and you should take advice before you make your decisions. This booklet gives you the information you need to start the process. Please take time to read it carefully.

Options - FAQs

1. Why choose options?

There is a core curriculum which everyone follows, then optional subjects which you choose according to your talents and aptitudes. Key Stage 4 is about gaining a deeper understanding of fewer subjects than in KS3.

2. What are the core subjects?

Everyone continues to study English, Mathematics and Science so that you leave school with good literacy, numeracy and scientific skills. To ensure that you have the wider skills needed for adult life, you will continue to study Physical Education, Citizenship, Religious Education and Personal, Social & Health Education (PSHE). Most students will take at least 10 GCSEs, made up of core and options subjects.

3. Will I be able to study every subject I choose?

You will tell us what subjects you want to study on your **first options form**, completed by 8th November. We will then construct an option block form which matches these choices, as nearly as possible, within other whole school constraints. The option block form will need to be completed by December. There may be some people who do not get all their first choices but we will do our best. A few people might get a second choice subject rather than a first choice. We will give you a **final options form** in January.

4. What if not enough people choose a subject?

Unfortunately, we are not able to offer a subject if too few people opt for it. If this happens, we will work with students and families to ensure you have the best possible available options for you.

5. How can I choose subjects so I keep my options open for the future?

You may not yet know what career you want to follow in the future. This is normal for a Year 9 student. This means it is important to follow a broad, balanced curriculum so you keep as many opportunities as possible open to you.

6. What if I already know what I want to do for a career?

In this case, it is essential that you check with your subject teachers and Achievement Coordinator that your choices will enable you to follow this career Post 16. Your choices **now** can affect your career opportunities later so **check now to avoid disappointment later. This website can help. <http://www.jobs4u.uk.com/>**

7. What are EBACC subjects?

The Government wants to encourage all students to study a Language, History or Geography, as well as English, Maths and Science. They have introduced the English Baccalaureate (EBACC) as a school performance measure, to encourage schools to offer these subjects to all students.

8. What exams will I take?

Most of the examination courses you will study lead to the General Certificate of Secondary Education (GCSE) in May – June 2022. A few lead to a BTEC National qualification.

9. Who can help me choose my options?

Read this booklet carefully, then:

- Ask yourself - which subjects do I like most? Which subjects do I do well in? What careers am I thinking of?
- Talk to your parents **and wider family**: they know you best and have life experience, so may have useful advice.
- Your **Subject Teachers** can tell you whether you have the aptitude, talent and appropriate level of skills to enable you to succeed in their area.
- You can ask **Ms Thomas**, our Careers and Employability Lead for advice.
- Your Form Tutor can give you a good idea of your overall progress to date and help you to see yourself in perspective.

Useful Websites to help you:

- For help choosing options: <http://www.careerpilot.org.uk>
- For finding out more about careers: <https://nationalcareersservice.direct.gov.uk> or www.icould.com
- For thinking about what careers might suit you: www.cascaid.co.uk/kudos
- For information about Post 16 course information: <https://futurefinder.yourlife.org.uk/>
- For more information on Learning Partnership West <http://www.lpw.org.uk/>

10. How many subjects can I choose?

You will have a choice of 3 subjects

11. How do I make my choices?

Good reasons for choosing a subject

- You are good at the subject
- You think you will enjoy the course
- It goes well with your other choices
- You are interested in the knowledge and skills it develops
- It will give you plenty of choice in the future
- You think that you might want to continue studying it after Year 11

Bad reasons for choosing a subject:

- Your friends are doing it – don't pick something just to be part of the crowd
- People say it is easy
- You think it is a good course for a boy or for a girl
- Someone else thinks that it is a good idea but you disagree
- You like the teacher you have now
- You did not have time to research your options properly

12. When can I leave education?

The government recently increased the length of time young people must continue to participate in education. (RPA)

This could mean you continue with:

- Full-time education, such as school or college
- An apprenticeship
- Part-time education or training if you are employed, self-employed or volunteering for 20 hours or more a week.

This continues until you are 18.

You can find out more information about RPA at:

<http://education.gov.uk/childrenandyoungpeople/youngpeople/participation/rpa>

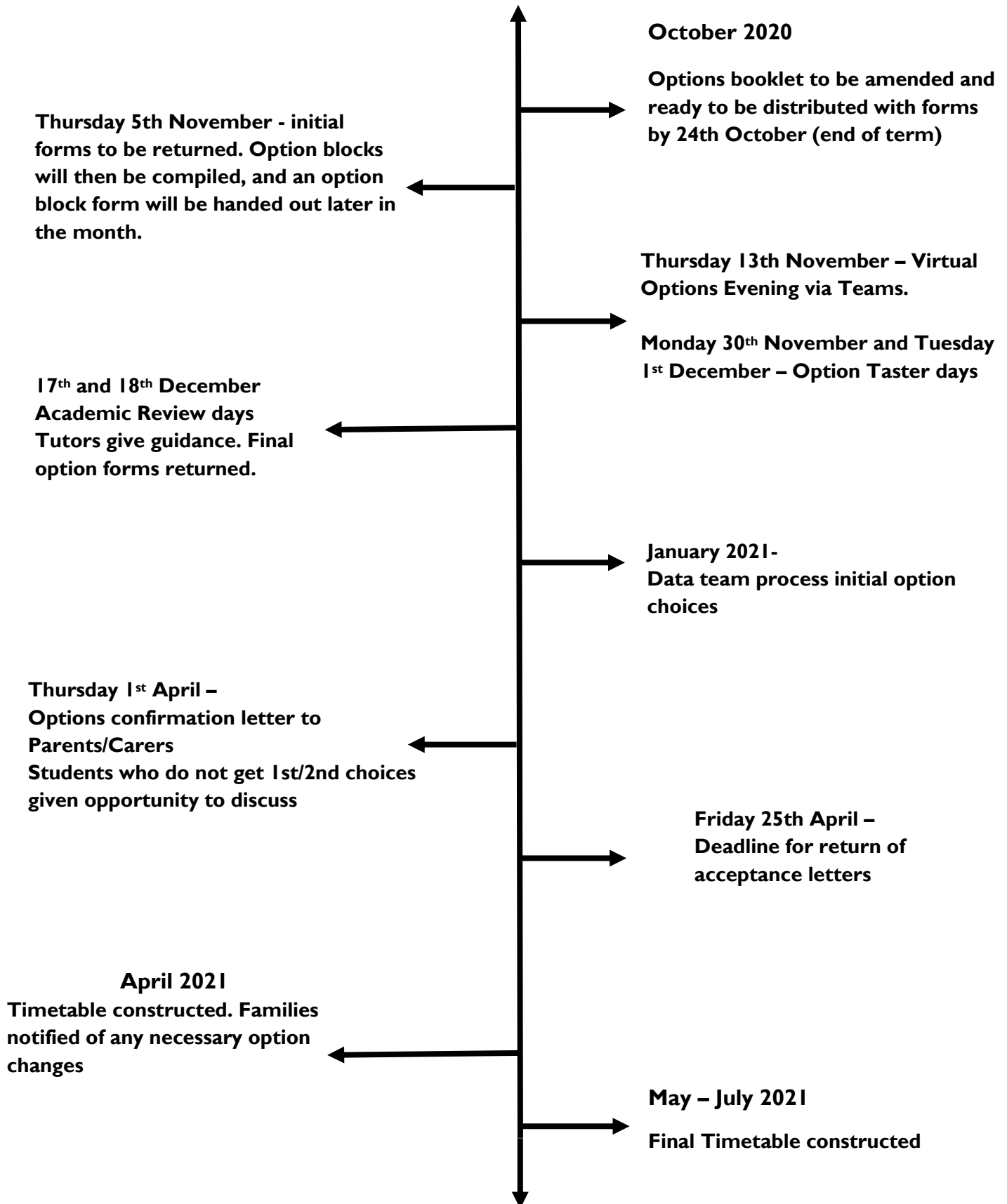
More information on Apprenticeships is available at:

<http://www.apprenticeships.org.uk/About-Us/National-Apprenticeship-Service.aspx>

The National Careers Service makes it easy to find information about education, training and work with professional, impartial advice.

The website is <https://nationalcareersservice.direct.gov.uk>.

Options timeline 2020/21



Initial Options Choice Form 2020/21

Initial Option Choice Form 2020/21

These choices will help us decide the option blocks. This form needs to be completed and handed back to your tutor by Thursday 5th November

Option A <i>You must pick one from this block – these are EBACC subjects.</i>	1 st . choice	2 nd . choice
Pick one 1 st choice and one 2 nd choice		
Computer Science		
French		
German		
Spanish		
Arabic		
Geography		
History		

Option B <i>You must pick two from this block.</i>	1 st . choice	2 nd . choice
Pick two 1 st choices and two 2 nd choices		
Arabic		
Art – Fine		
Art – Photography		
Child Development - Vocational GCSE Equivalent		
Classical Civilisations (Classics)		
Computer Science		
Dance		
Drama		
Engineering Design – Vocational GCSE Equivalent		
Engineering Manufacturing - Vocational GCSE Equivalent		
Food and Nutrition		
French		
Geography		
German		
Health and Social Care - Vocational GCSE Equivalent		
History		
Music		
Spanish		
Sports Science - Vocational GCSE Equivalent		

Please Note:

- You can tick 'Engineering Design' or 'Engineering Manufacturing' but not both.
- You may only choose two vocational courses.

NB – The final boxes will be built around the First and Second choice subjects so please pick carefully. Not all of the subjects will run if not enough students choose them as a first or second choice.

I am interested in doing Additional Maths. I understand this is by invitation and I must get 70% in Maths.	
I really want to study Triple Science. I understand this is by invitation and I must get 70% in Science. If successful I must attend period 6 every Wednesday after school.	

Student Name: _____ Tutor Group _____

Parent/Carer Signature: _____

Core Subjects

Mathematics

Subject	Mathematics GCSE
Type of course	AQA Linear GCSE
Outline of topics	All students begin to prepare for the AQA Linear GCSE, which will be taken in Year 11. Each exam can be taken at a Foundation or Higher level.
Assessment	Three one and a half hour papers – paper one: non-calculator and papers two and three: with calculator.
What you can do next	A Mathematics GCSE qualification is vital for entry to almost all FE institutions for most courses. Grades are awarded on the new 9-1 scale.

Additional Mathematics

Subject	Mathematics
Type of course	OCR FSMQ (Free Standing Mathematics Qualification)
Outline of topics	We run this course in parallel with our GCSE Mathematics programme. Additional Mathematics is for our high achievers to ensure they achieve their maximum potential. They will have the opportunity to sit this qualification in Year 11.
Assessment	One two hour paper (calculator).
What you can do next	This qualification is marked in a similar manner to A Level Mathematics. Moreover, the qualification awards UCAS points. Learners generally progress onto A Level Mathematics and/or Engineering/Physics.

Talk to your Maths teacher for more information

English Language and English Literature

Subject	English Language and English Literature (2 GCSEs)
Type of course	GCSE, AQA
Outline of topics	All students are invited to follow the English Language and English Literature courses. Students are taught to write in a variety of forms, to read a wide range of contemporary, multi-cultural and pre-20th Century literature and to develop their speaking and listening skills. Grades will be awarded on the new 9-1 scale (as opposed to A*-G).

All courses require students to undertake examinations on the following areas of study:

- Reading non-fiction and media texts
- Writing continuous prose based on a key theme
- Studying a novel
- Reading Shakespeare
- Poetry
- Modern drama and poetry

Assessment

English Language

Exam = 100%

Two exams

English Literature GCSE

External Examination = 100%

Two exams

What you can do next An English Language qualification is vital for entry to almost all FE institutions for most courses.

Talk to your English teacher for more information

Science

Qualifications

Students will be given a guided choice in working towards one of the following qualifications awarded by the AQA exam board. This will depend on their aptitude, ability and choice of working style. All exams are taken at the end of Year 11 and there is no coursework element. The GCSE grade is 100% exam based, with key practical's being examined in the six written exams. Grades will be awarded on the 9-1 scale. Either option can lead to A-level studies in any of the Science disciplines providing grade 6 or above is achieved at GCSE level.

Combined Trilogy Science GCSE – 2 GCSE grades

Students will complete a course leading to two GCSEs in science (the minimum UK expectation), a combination of Biology, Chemistry and Physics. Each subject will cover topics outlined below:

Biology (2 x 1h 15mins exams)

Cells and organisation.
Disease and bioenergetics
Biological response
Genetics and reproduction
Ecology

Chemistry (2 x 1h 15mins exams)

Atoms, bonding, and moles
Chemical reactions and energy changes
Rates, equilibrium, and organic chemistry
Analysis and the Earth's resources

Physics (2 x 1h 15mins exams)

Energy and energy resources
Particles at work
Forces in action
Waves and electromagnetism

Triple Science GCSEs – 3 GCSE's: Biology, Chemistry & Physics

Students are encouraged to opt to take this option if they are dedicated scientists. If they then achieve the minimum expectations for this in-depth science course they will be placed in the Triple Sciences class. If you wish to take triple science, you have to pass the **end of Year 9 exam with a minimum score of 70%** and have an **end of Year 9 average above 60%**.

Triple Science leads to 3 separate GCSE qualifications in Biology (2 x 1h 45mins exams), Chemistry (2 x 1h 45mins exams), and Physics (2 x 1h 45mins exams). The topic areas covered are the same as those above, but all areas are expanded, covering more topic content in more detail. In addition to this, there is one extra physics topic: Space.

Committing to the triple science course means attending **compulsory twilight sessions** every Wednesday after school.

Talk to your Science teacher for more information

Religious Studies

Subject	Religious Studies B – Ethics, Peace and Conflict
Type of course	Compulsory GCSE Full course - Edexcel
Outline of topics	<p>This course is a challenging and exciting exploration to understanding faith, morality and spirituality in our modern world. Our aim is to make students think <i>not</i> make them religious.</p> <p>Paper 1 – Religion and Ethics – Christianity The first half of the GCSE - Unit 1 based on a study of Christianity. This section covers topics such as Christian Beliefs, Marriage and the Family, Living the Christian Life and Matters of Life and Death</p> <p>Paper 2 – Religion, Peace and Conflict - Islam The second half of the GCSE - Unit 2 based on a study of Islam. This section covers topics such as Muslim Beliefs, Crime and Punishment, Living the Muslim Life and Peace and Conflict.</p>
Assessment	<p>The GCSE consists of two exam papers that are both one hour and 45 minutes long. Paper 1 is worth 50% of the qualification. Paper 2 is worth 50% of the qualification. No coursework is expected. Examination: May of Year 10.</p>
What you can do next	<p>Colleges look to RE if they want pupils to have completed an extended writing GCSE. A range of Humanities A-levels such as A/AS level Religious Studies, Critical Thinking, Philosophy and Sociology. This qualification is very relevant and useful in a number of careers; medicine, event management, social work, armed forces and law.</p>
Additional information	<p>Students are given the opportunity to visit places of worship, meet people of interest and engage in lively debates using multi-media resources.</p> <p>William Butler Yeats: "Education is not the filling of a pail, but the lighting of a fire.</p> <p>Talk to your RE teacher for more information.</p>

Citizenship

Subject	Citizenship AQA
Type of course	Full GCSE - AQA exam board
Outline of topics	<ul style="list-style-type: none">• Britain and International relations• Laws and Sentencing• Rights and responsibilities• Crime and punishment• Media• Democracy including voting systems and elections• The environment• The world of work including trade unions• Government structures• The economy
Assessment	Two written examinations at the end of Year 11 worth 50% each.
What you can do next with the GCSE	<ul style="list-style-type: none">• A Level Politics• A level Sociology• A Level Law• Critical Thinking
Additional information	Students have the opportunity to undertake a number of exciting trips: <ul style="list-style-type: none">- Cross curricular trip with drama to Parliament.- A visit to Bristol's Magistrates Court with the opportunity to sit in on a live case.- Outstanding results for over 14 years.

KS3 Citizenship

The Citizenship curriculum at Fairfield adopts a child centred approach that focuses on student well-being. The programme of study incorporates, Citizenship, Personal, Social, Health, Economic and Careers education.

Citizenship helps to develop the key skills needed for each student to be successful throughout their life. Programme overview:

- Sex and Drugs Education
- Healthy living
- Being Me – identity
- Careers and Employability
- Citizenship and the wider world
- Mental Health and Well-being
- Rights and Responsibilities
- Political awareness
- Safeguarding

In years 9, 10 and 11 students take the Citizenship GCSE and receive an additional 3 PSHE lessons per term.

Work Experience:

In Year 10 students will take part in a work experience during Term 6. Citizenship careers lessons support students to find a placement.

GCSE/Vocational Options

Art – Fine

Subject	AQA – Fine Art
Type of course	GCSE - This course is aimed at students who enjoy art and want to expand their understanding and practical abilities. Pupils will be encouraged to explore many different materials and techniques and to work independently. Each unit studied will help the student to create their own individual and personal artwork. The main focus of Fairfield's GCSE course is to help students discover and develop their own creativity and vision. Students will be expected to work independently outside of the classroom and when possible attend art clubs. You will annotate your work to show your understanding and analyse the work of other artists.
Outline of skills covered	<p>The coursework folder will be selected from the classwork created over two years.</p> <p>Painting in a range of materials, including acrylics and watercolours</p> <p>Drawing-pencil, charcoal and ink</p> <p>Sculpture Paper and Card</p> <p>Collage and stitch</p> <p>Critical and Contextual investigation of artist work</p> <p>Printmaking- linocuts and mono-printing</p>
Examples of projects	Pattern and painting, photo collage, drawing with needle and thread, mandalas and self-portraits
Assessment	Coursework Task (60%), Examination (40%) Pupils will be given three months to create a project of their own choice. Both the coursework and the exam have written elements. Students will be expected to work independently outside the classroom. Attending art clubs and completing flipped learning tasks will be essential to achieving in this subject.
What you can do next	The Fine Art GCSE is the most commonly taught GCSE in UK schools and will be recognised by all sixth forms and HE colleges. At the end of the course pupils will have a portfolio of work that can be used to gain a place on all the creative Art A-levels.
Additional information	Students will be asked to complete some tasks towards the end of Year 9/during the summer holidays in preparation for the course.

Please Note: The only requirement for entry to this course is an interest in Art and a wish to develop your creative skills. We do not require students to have a high ability in drawing; we welcome any student who has a genuine interest in the subject.

Talk to your Art teacher for more information

Art - Photography

Subject	AQA-lens based media
Type of course	GCSE
Outline of topics	<p>The photography GCSE is taught by the Art department and aims to develop pupil's visual language. Pupils will be taught how to create effective and imaginative photographs based around different themes. The course uses digital cameras and will teach students how to gather appropriate photographs, selecting and editing their best work. As part of the course students will study the work of past and present photographers to help them develop their own work. Pupils will also use photoshop and other software to enhance and manipulate their images.</p> <p>Pupils on this course will spend some lessons out of the classroom taking photographs. During some longer double lessons the group will visit sites around Bristol and the surrounding areas.</p>
Topics/Themes covered	<p>Portraits Landscapes and cities Street photography A personal photographic diary Documentary photography/photo-journalism for magazine/newspaper</p>
Assessment	<p>60% Coursework Work selected from photographs and photographic sketchbooks created over the two years 40% Final exam A final project of your choice completed over two months in Year 11</p>
What you can do next	This course leads on to A level photography or to a Level 2 or 3 BTEC qualifications in Photography/Art and Design.
Additional information	<p>It is advised that to make the most of this course, students have access to a digital camera out of school. This will help students complete homework. However if pupils do not have access to a camera at home this does not exclude them from applying for this course. The Art department will supply cameras to complete work at home</p> <p>Talk to your Art teacher for more information</p>

Child Development

Subject	Child Development OCR
Type of course	OCR Cambridge National level 1/2 (vocational GCSE equivalent)
Outline of course	1 x written exam worth 50%. The exam can be re-taken twice in order to guarantee the best grade possible. Two controlled assessments worth 25% each (internally assessed tasks).
Assessment	Component R018: Health and well-being for child Development Written paper - 1 hr 15mins OCR – set and marked Learners answer all questions Topics include: <ul style="list-style-type: none">• Understand reproduction and the roles and responsibilities of parenthood• Understand antenatal care and preparation for birth• Understand postnatal checks, postnatal provision and conditions for development• Understand how to recognise, manage and prevent childhood illnesses• Know about child safety Component R019: Understand the equipment and nutritional needs of children from birth to five years Centre assessed tasks OCR moderated Topics include: <ul style="list-style-type: none">• Understand the key factors when choosing equipment for babies from birth to 12mths and one to five years• Know nutritional guidelines and requirements for children• Be able to investigate and develop feeding solutions Component R020: Understand the development of a child from birth to five years Centre assessed tasks OCR moderated Topics include: <ul style="list-style-type: none">• Understand the physical, intellectual, and social development norms from birth to five years• Understand the benefits of learning through play• Be able to plan, carry out and evaluate different play activities
What you can do next	Students with a qualification in Child Development can progress further in Child Care, Health & Social Care, Psychology, Sociology and Biology as well many other A-level courses. Careers in: <ul style="list-style-type: none">• Midwifery• Nursery Nurse/Child minding• Early years practitioner• Primary school teacher/Special needs teacher• Child Psychologist• Social Worker/Councillor

Talk to Miss Thomas for more information

Classical Civilisation

Subject: Classical literature
Type of course: GCSE Full course (OCR J199)

Outline of topics: Study the Classical World of Ancient Greece and Rome, a world of carnage and culture that helped shape modern Western civilisation. Enjoy epic and monumental works such as *The Iliad* and *The Odyssey*, (the oldest known examples of western literature) and discover the brutal struggles between the Greeks and the Persians through the writings of Herodotus, the 'Father of History'. The societies that shaped thousands of years of human history are laid bare, their inspiring acts and works dissected and discussed.

Modern culture and history both owe an incalculable debt to the masters of the classical world and this GCSE will take you back to where it all began, from the squabbling city states of Ancient Greece to the vast borders of the Roman Empire.

Combining the research and evaluative skills of history with the analysis and enjoyment of literature, GCSE Classical Civilisation is your chance to learn about the most influential and incredible cultures in human history and what makes them so important thousands of years later.

Assessment

Component Group 1: Thematic Study Myth and Religion (J199/11)	Thematic Study (J199/11, J199/12) 90 marks 1 hour 30 minutes written paper
Component Group 2: Literature and Culture The Homeric World (J199/21)	Literature and Culture (J199/21, J199/22, J199/23) 90 marks 1 hour 30 minutes written paper

What you can do next

At AS and A2 level:

- Classics/Classical Civilisation
- History/Ancient History
- English Literature, World Literature

Additional information:

There is no prior learning required to take this course! The GCSE contains opportunities to study Greek and Roman History and Literature. Students will read everything from historical sources to literary masterpieces, learning about the culture that produced them and why they still matter today.

Talk to Mrs Hooke for more information

Computer Science

Subject	Computer Science
Type of course	GCSE full course (AQA exam board)
Outline of topics & Assessment	<u>Subject content</u> 1. Fundamentals of algorithms 2. Programming 3. Fundamentals of data representation 4. Computer systems 5. Fundamentals of computer networks 6. Fundamentals of cyber security 7. Ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy 8. Aspects of software development 9. Programming Project <u>This course has 2 sections</u> <u>Paper 1: Computational thinking and problem solving</u> What's assessed? Computational thinking, problem solving and applied computing as well as theoretical knowledge from subject content 1–4 above. How it's assessed? Written exam set in practically based scenarios: 1 hour 30 minutes 50% of GCSE Questions? A mix of multiple choice, short answer and longer answer questions assessing a student's practical problem solving and computational thinking skills. <u>Paper 2: Computing Fundamentals</u> What's assessed? Theoretical knowledge from subject content 3–7 above. How it's assessed Written exam: 1 hour 30 minutes 50% of GCSE Questions A mix of multiple choice, short answer, longer answer and extended response questions assessing a student's theoretical knowledge. What you can do next Additional information

This course supports progress to further study, including A Level Computer Science, Diplomas in Computer Science and Computing. You must be working at a high level in Maths and be aware of the fundamentals of programming.

Talk to Ms Maljee for more information

Dance

Subject	Performing Arts: Dance
Type of course	AQA GCSE
Outline of topics	<p>Dance is an exciting, fun but challenging option at GCSE. Practical classes explore and develop dance technique, choreographic skills and expressive skills whilst widening knowledge of various choreographers and dance styles. It improves confidence and teamwork whilst also developing independence and cultural awareness. Theoretical classes will analyse a range of inspiring professional pieces of dance and develop your understanding of safe practise, choreography and performance.</p> <p>Performance - students will increase their physical competence and effectiveness as a performer through the development of expressive, technical, and mental skills. They will learn set dance material from the exam board and from professional pieces of dance. This links together with the written appreciation, developing both practical and written skills. You will have the opportunity to perform at school performances and take part in exciting workshops with professional dancers.</p> <p>Choreography – students will explore and develop ideas, thoughts and meaning through movement. Through the use of choreographic principles, effective use of actions, space, dynamics and relationships, students will create a range of different dances. Students can choose their own starting point for their choreography and choreograph in any style they choose.</p> <p>Appreciation – students will develop their knowledge and understanding of a range of choreographers and dance styles. They will learn to appreciate the relationship between choreography, performance and production and how these enhance understanding of time, place, character, mood and meaning. Trips to see live dance are an exciting element of the course!</p> <p>Fundamental skills - through the practical and collaborative nature of the course, students develop a wide range of skills which will enhance their learning in other subjects and beyond. These skills include teamwork, communication, confidence, problem solving, analytical, evaluative and above all, creativity.</p>
Assessment	60 % Practical coursework – performance (30%) and choreography (30%) 40% written exam – 1.5 hour theory paper
What you can do next	GCSE Dance is usually required to go on to A Level Dance and Performing Arts BTECs and will help students' progress on to most Performing Arts courses. Dance develops a vast range of skills, potential colleges and employers will look for.
Additional information	Prior dance training is not essential to take this course. You will need: Black jogging bottoms/leggings, layers to keep warm when not dancing, bare feet. A personalised GCSE Dance T Shirt must be purchased for moderation purposes. An optional GCSE Dance hoody can also be purchased.

Talk to Miss Thompson for more information

Drama

Subject	Drama
Type of course	Full GCSE - exam board Edexcel
Outline of Course	<ul style="list-style-type: none">• Component 1 – Devising Drama• Component 2 – Performance from Text• Component 3 – Theatre Makers in Practise
Sample topics	Physical theatre; Theatre practitioners; Acting techniques; Understanding style, genre and creative intent; An Inspector Calls text; Socio-Political theatre; Shakespeare; Set, Costume, Sound and Lighting design; Live Theatre visits and a performance from a stimulus on contemporary, global topics.
Assessment	<ul style="list-style-type: none">• Component 1 – Devised practical performance to an audience and a written devised portfolio (40%)• Component 2 – Practical performances of two extracts from a performance script (20%)• Component 3 – Written exam on a set text (An Inspector Calls) and a Live Theatre evaluation
What you can do next with the GCSE	Drama GCSE is an excellent foundation for any further training in Performing Arts, including as a performer, designer (Sound, lighting, set, costume) or director. The creative industry is the third biggest in the UK. This includes; TV and film, theatre, video games, digital marketing, designers, fashion, publishers, museums and galleries, musicians, writers, artists, architects, advertisers and many more. Drama is an excellent subject for so many careers. Creativity can take many forms and is highly prized in many different industries and professions, as it leads to innovation and new ways of solving problems. The skills learnt in drama teaches you empathy, observational skills, social awareness, collaboration, organisation, problem-solving, independence and self-confidence.
Additional information	Students have the opportunity to undertake a number of theatre trips throughout the course, along with professional workshops. They also have the opportunity to purchase a GCSE Drama T-shirt or Hoodie.

Talk to Ms Ayre for more information

Engineering

The following subjects are available:

Engineering Manufacture or

Engineering Design

What qualification will I get?

OCR Level 2 Cambridge National in Engineering

What skills and qualities do I need?

A track record of Safe working practice in an Engineering Workshop and a keen and focused attitude. A flare for design and creating prototypes.

What will I study?

The Engineering Manufacture course will allow students to access the world of engineering by learning how to investigate and plan, make and review practical outcomes with an eye to quality control techniques.

Assessments

1 hr Written Paper (R109) & 3 controlled assessment projects as detailed below (R110-112).

R109	Materials Processes and Production
R110	Making and Planning for Manufacture
R111	Computer Aided Design
R112	Quality control of Products

This qualification will allow students to progress onto the BTEC Level 3 in Engineering and/or would assist in an application towards an engineering apprenticeship which would then lead you onto higher apprenticeships and degrees. Longer term prospects would include engineering in aerospace, automotive, design, mechanical, manufacturing, communications and structural design.

What will I study?

Engineering Design course helps students understand the processes of engineering design and how market requirements inform client briefs. Through practical activities they develop skills in computer modelling and model making and how to communicate design ideas effectively.

Assessments

1 hr Written Paper (R105) & 3 controlled assessment projects as detailed below (R106-108).

R105	Design briefs, design specifications and user requirements
R106	Product analysis and research
R107	Developing and presenting engineering designs
R108	3D design realisation

Engineering design is a process used to identify market opportunities and solve problems which contribute to the development of new products and systems. This qualification is aimed at learners who wish to study the processes involved in designing new engineered products and the requirements of a

design specification. Through research and practical activities, learners will understand how market requirements and opportunities inform client briefs and will use practical skills such as drawing, computer modelling and model making to communicate design ideas.

This course is ideal if you are interested in STEM subjects, a career in business or any Engineering sector. Many of the skills and subject content is cross transferable and will link well to A Levels Business, Engineering & Science, Level 3 BTECs and apprenticeships. FHS has a strong network of Post 16 links and industrial opportunities we can support you with such as Burgess Salmon, UWE & Bristol University.

What can I go on to do at I6?

Post 16 academic programs such as BTECs L3 & apprenticeships and practical skills college courses will all recognize the Design and Manufacturing course and provide a good follow on course for trades and vocational training courses. The qualifications are also able to compliment more academic further education courses is students intend in perusing qualifications in Engineering subjects.

What are the local job prospects in this area?

Locally there are high numbers of good quality engineering employers e.g. Rolls Royce, Airbus and BAE Systems. Work experience placements are being developed everyday and can even be a focus of your investigating for your coursework.

Talk to Mr. Morgan for more information

Food and Nutrition

Subject	Food and Nutrition
Type of course	GCSE WJEC Eduqas
Outline of topics	<p>All Food Technology and Catering specifications have been updated, so a new course has been created which brings together all of the positive areas from both Food Technology and Catering.</p> <p>Food and Nutrition is a diverse and interesting subject, which focusses mainly on the practical elements of cooking and aims to develop challenging and complex skills within the students.</p> <p>The theory modules that the students will cover are:</p> <ul style="list-style-type: none">• Food Commodities• Principles of nutrition• Diet and good health• The science of food• Where food comes from• Cooking and food preparation <p>The theory topics that are covered complement many of the practical tasks carried out and offer an interesting introduction to a variety of different areas of the food industry. Students will be expected to supply ingredients for practical lessons which are an essential part of the course, although provisions can be made in certain circumstances.</p> <p>Homework: Will cover a wide range of activities, including research which needs to be completed out of school.</p>
Assessment	<p>Component 1: 50% of qualification. Exam 1 hour 45 mins</p> <p>Component 2: 50% of qualification. Assessment 1 – 8 hours Assessment 2 – 12 hours</p>
What you can do next?	<p>There are a massive range of opportunities for students from taking a GCSE in Food and Nutrition</p> <p>Further Education – A-Levels, Diploma, BTEC in Food Technology and Catering Quality Assurance Chef Food Technologist Nutritionist Environmental Health Buyers Hospitality Catering Retail Production/Manufacturing</p> <p>Talk to Ms. Tuffley for more information</p>

Geography

Subject	GCSE Geography – Full course
Type of Course	AQA
Outline of Topics	<p>The GCSE consists of three exam papers.</p> <p><u>Paper 1 – Living with the Physical Environment</u> Section A – The Challenge of Natural Hazards Natural Hazards, Tectonic Hazards, Weather Hazards, Climate Change. Section B – The Living World Ecosystems, Tropical Rainforests, Hot Deserts Section C – Physical Landscapes in the UK UK Physical Landscapes, Coastal Landscapes in the UK, River Landscapes in the UK.</p> <p><u>Paper 2 – Challenges in the Human Environment</u> Section A – Urban Issues and Challenges Urbanisation Section B – The Changing Economic World Economic Development Section C – The Challenges of Resource Management Resource Management Energy</p> <p><u>Paper 3 – Geographical Applications</u> Section A – Issue Evaluation Critical Thinking and Problem-Solving Section B – Field Work Two separate Geographical Enquiries taking place outside the classroom.</p>
Assessment	Paper 1 is worth 35% of the GCSE. Paper 2 is worth 35% of the GCSE. Paper 3 is worth 30% of the GCSE. All three will be examined in Year 11.
Is Geography for you?	<p>Geography is for you if you are:</p> <ul style="list-style-type: none">• Interested in the world around you• Keen to study a subject which will keep your options open at AS/A2 and in further education• Interested in up to date topical issues (Climate Change, Flooding, Settlement Change, Fair Trade, Urban Regeneration, Population, Migration)
What can you do next?	<p>Geography graduates have some of the highest rates of graduate employment. Geography is great for any kind of career that involves the environment, planning, or collecting and interpreting data. Popular careers for people with geography qualifications include: town or transport planning, surveying, conservation, sustainability, waste and water management, environmental planning, tourism, and weather forecasting.</p> <p>The army, police, government, research organisations, law and business world also love the practical research skills that geographers develop. Because geographers learn about human and population development, geography can be useful for jobs in charity and international relations too.</p> <p>Talk to your Geography teacher for more information</p>

Health and Social Care – Cambridge National.

Subject	Health and Social Care OCR
Type of course	OCR Cambridge National level 1/2 (vocational GCSE equivalent).
Outline of topics	<ul style="list-style-type: none">• Job Roles in the NHS and health services• Working with children in a child care facility.• Maintaining a healthy life style including diet, exercise, substance use and relationships• Looking at public services• Understanding the principles that underpin the care industry including their individual codes of practice
Assessment	<p>Three controlled assessments worth 25% each (75% internally assessed coursework).</p> <p>1 x written exam worth 25%. The exam can be re-taken multiple times in order to guarantee the best grade possible.</p>
What you can do next	<p><u>Careers in:</u></p> <ul style="list-style-type: none">• Nursing• Midwifery• Nursery Nurse/child minding• Primary school teacher/special needs teacher• Medicine/Doctor/GP/Surgeon• Paramedic• Pharmacist• Care worker• Social Worker/councillor
Additional information	<p>We also have the fantastic opportunity to visit and be visited by health and social care establishments to gain an insight in to the work they do.</p> <p>Results have always been outstanding for this subject and uptake for the GCSE is exceptionally high with it being one of the most popular option choices.</p> <p>Talk to Miss Edmunds for more information</p>

History

Subject	GCSE History Full Course - AQA
Type of course	GCSE full course
Outline of topics	<p>The GCSE consists of two exam papers.</p> <p>Paper 1 – Understanding the Modern World (50%)</p> <p>Section A: America, 1920-1973: Opportunity and Inequality American people and the 'Boom', Bust – Americans' experiences of the Depression and New Deal, Post-War America,</p> <p>Section B: Conflict and Tension in Asia, 1950-1975 Conflict in Korea, Escalation of conflict in Vietnam, The ending of conflict in Vietnam.</p> <p>Paper 2 – Shaping the Nation (50%)</p> <p>Section A: Britain: Health and the people: C1000 to Present Day Medicine stands still, The beginnings of change, A revolution in Medicine, Modern medicine.</p> <p>Section B: Elizabethan England, c1568-1603 Elizabeth's court and parliament, Life in Elizabethan times, Troubles at home and abroad, The historic environment of Elizabethan England.</p>
Assessment	Paper 1 is worth 50% of the GCSE. Paper 2 is worth 50% of the overall mark. Both will be examined in Year 11.
What you can do next	AS and A Level History, Politics, Law, Sociology, Philosophy and Ethics, Economics, English. History equips you with excellent decision-making skills and improves written communication.
Additional information	History is an excellent foundation for a variety of jobs. It helps you understand the origin of modern social and political problems and teaches you how to think and process information.

Talk to your History teacher for more information

Modern Foreign Languages

Subjects	The following specifications apply to: French, German, Spanish and Arabic
Type of course	GCSE French AQA 8658 GCSE German AQA 8668 GCSE Spanish AQA 8698 GCSE Arabic Edexcel IAA0
Outline of topics	Compulsory topics will be linked to identity and culture; local, national, international and global areas of interest; and current and future study and employment. Papers will include short translations from and into the target language. There will be a mixture of English and target-language questions in the exams along with authentic stimuli in the reading paper, including literary texts. All final exams will take place at the end of year 11 with PPEs taking place in year 10 and 11.
Assessment	Paper 1: Listening 25% of the marks at Foundation and Higher tier (externally assessed) Paper 2: Speaking 25% of the marks at Foundation and Higher tier (externally assessed) Paper 3: Reading 25% of the marks at Foundation and Higher tier (externally assessed) Paper 4: Writing 25% of the marks at Foundation and Higher tier (externally assessed) Students will be assessed with the new grading system – 1-9 (with 9 being highest grade available)
What you can do next	AS and A Level in the above languages. BTEC in Travel and Tourism, public services, hospitality & catering. Apprenticeships in leisure, travel & tourism, retail & commercial enterprise, health, public services, education & training.
Additional information	All students will be expected to work independently outside of the classroom and commit at least 3 hours a week to their language home learning. They will be set flipped learning tasks to complete before lessons, in addition to regular vocabulary learning and other assignments. Students can only choose the French, German or Spanish GCSE course if they've studied the language at KS3. Native speakers will be automatically entered for the GCSE and do not need to choose it for an option. At Fairfield we are committed to entering younger students in a GCSE of their native language. These languages have included Arabic, Bengali, French, German, Italian, Mandarin, Polish, Portuguese, Spanish and Urdu. Let us know if you can speak another language.

Music

Subject	Music
Type of course	Full GCSE - OCR Syllabus (New Specification for 2016)
Outline of Course	Three components: <ul style="list-style-type: none">• Understanding music – Listening Exam.• Performing music.• Composing music.
Sample topics	World Music, (African, Israeli, Greek etc.). Pop Music, (Pop, Dance, Rock, Blues, Jazz, etc.). Classical Music, (Concerto Through Time), Film & Computer Game Music.
Assessment	Component 1 – Understanding Music – 40% - Listening exam on Areas of Study and Listening & Understanding. Externally examined. Component 2 – Performing Music – 30% - Students perform 2 pieces of music for assessment – 1 solo and 1 ensemble piece. Minimum of 4 minutes total. Component 3 – Composing Music – 30% - Composition 1 – Composing to a given brief (4 briefs released by OCR each academic year). Composition 2 – free composition. Both of these pieces of coursework are marked by the teacher.
What you can do next with the GCSE	Music is at the very heart of all cultures around the World. It is an expressive art that can portray with sounds the emotions that are part of the human experience. There are many career paths that lead on from a formal Music education at GCSE level. Playing an instrument and developing an understanding of Music can bring rewards such as lifelong enjoyment and satisfaction. Music is a vibrant and essential cornerstone of society, necessary for forming and expressing our cultural and personal identities, beliefs and values.
Additional information	Students will have the opportunity to perform at and attend a number of extra-curricular activities throughout the course of the GCSE. There is a great feeling of being part of a team at GCSE where all are welcome. Having prior experience in an instrument / singing / DJ'ing / rapping / production is important in order to support coursework requirements.

Talk to your music teacher for more information

Sport Science

Subject	Sport Science
Type of course	OCR Cambridge National Certificate Level 2 (vocational GCSE equivalent)
Outline of course	75% Coursework 25% 1Hr Written Exam
Assessment	<p>Component R041: Reducing the risk of Sport Injuries Written paper OCR set and marked 1 hour – 60 marks (60 UMS) Learners answer all questions</p> <p>Component R042: Applying Principles of Training Centre assessed tasks OCR moderated 60 marks (60 UMS) Learners should spend approximately 10 hours on the assessment tasks</p> <p>Component R043 : The body's response to physical activity Centre assessed tasks OCR moderated 60 marks (60 UMS) Learners should spend approximately 10 hours on the assessment tasks</p> <p>Component R045: Sport Nutrition Centre assessed tasks OCR moderated 60 marks (60 UMS) Learners should spend approximately 10 hours on the assessment tasks</p>
What you can do next	Students with a GCSE in physical education can go forward to sport studies courses, physiotherapy, coaching awards, public services courses, as well AS and A-level courses.
Additional information	<p>Students need to be achieving a level 5 or more in Science and Maths. Students will have to have demonstrated a high level of participation across key stage three in at least 2 different activities.</p> <p>Talk to Mr Goodchild for more information</p>