



# kennicott

6th form centre

WHERE CAN WE TAKE YOU?



# COURSES

# 21-22

# Contents

1	Application Timeline	19	Modern Foreign Languages
2-4	Subject Requirements at a Glance	19	French and Spanish
	Art & Design		<i>Advanced Level</i>
5	Art & Design		Performing Arts
	<i>Advanced Level</i>	20	Drama and Theatre
6	Art & Design		<i>Advanced Level</i>
	<i>BTEC Level 3 Diploma</i>	21	Music
7	Art & Design		<i>Advanced Level</i>
	<i>Photography</i>	22	Music
	English and Media		<i>BTEC Level 3 Subsidiary Diploma</i>
8	English and Media	23	Performing Arts
	<i>Media Studies</i>		<i>BTEC Level 3 Extended Certificate/Diploma</i>
9	English and Media		Science
	<i>English Language and Literature</i>	24	Biology
10	English and Media		<i>Advanced Level</i>
	<i>English Literature</i>	25	Chemistry
11	English and Media		<i>Advanced Level</i>
	<i>Film Studies</i>	26	Physics
	Humanities		<i>Advanced Level</i>
12	Humanities		Social Sciences
	<i>Geography</i>	27	Sociology
13	Humanities		<i>Advanced Level</i>
	<i>History</i>		Sport & Leisure
14	Humanities	28	Physical Education
	<i>Philosophy</i>		<i>Advanced Level</i>
	Computing and ICT	29	Sports Coaching, Leadership & Physical Education
15	Computing & ICT		<i>OCR Cambridge Technical</i>
	<i>Computer Science</i>		Technology
	Mathematics	30	Product Design
16	Mathematics		<i>Advanced Level</i>
	<i>Advanced Level</i>		Super Curricular
17	Further Mathematics	31	Level 3 Extended Project Qualification (EPQ)
	<i>Advanced Subsidiary Level</i>	32	Duke of Edinburgh's Award
18	Further Mathematics		
	<i>Advanced Level</i>		

## Application Timeline

Key Dates	What happens?	Further details
October 2020	Kennicott Virtual Open Evening	A chance to find out more about the opportunities on offer at Kennicott. Meet the staff virtually.  Explore subjects that you might be interested in and get expert advice about the right Study Programme for you.
November 2020 - December 2020	Drop in sessions or visits to Kennicott	Students wishing to join Kennicott are invited to meet with the Kennicott Team & SLT for advice & guidance sessions.
December 2020 - March 2021	Kennicott admission meetings	Applicants are invited to meet with the Kennicott team. This is an opportunity for us to get to know you and for you, the student, to ask any remaining questions that you might have.  Your personalised Study Programme will be discussed.
May—June 2021	GCSE Examinations	
July 2021	Induction Day	Students are expected to attend the Induction Day. This is a great opportunity for you to meet with your tutor and course teachers whilst meeting new friends. You will also collect your induction tasks that will need completing during the Summer.
August 2020	GCSE Results Day	The Kennicott Team will be available for advice, guidance and support.
August 2021	Post-results admissions	Students will receive confirmation letters after results day to confirm their place at Kennicott. Some students are asked to attend a post-results admissions meeting to confirm their Study Programme and complete the official enrolment process.
September 2021	Welcome to Kennicott!	We meet all new students to confirm their Study Programme and complete the official enrolment process.

## Subject Requirements at a glance

The overall requirements will depend upon the subjects chosen, but we require a minimum of five 9-6 grades, including GCSE grade 4/5 in English and Mathematics for entry to any Level 3 course.

Art and Design Advanced Level	Grade 6 or above in GCSE Art. (If you haven't studied GCSE Art, you will need to attend an interview and submit a portfolio of work).
Art & Design BTEC Level 3 Diploma	Grade 5 in GCSE Art and Design, or Grade A in D&T Graphics or D&T Product Design. Grade 4 in English Language or Literature.
Biology Advanced Level	GCSE Grade 6 in English and Maths. Grade 6-6 or above in Core and Additional Science or 6-6-5 or above in Triple Sciences (the Grade 6 must be in Biology). GCSE Applied Science or Level 2 BTEC Science will not be accepted as a route to A Level Biology.
Chemistry Advanced Level	GCSE Grade 6 in English and Maths. Grade 6-6 or above in Combined Science or 6-6-5 or above in Triple Sciences (the Grade 6 must be in Chemistry). GCSE Applied Science or Level 2 BTEC Science will not be accepted as a route to A Level Chemistry.
Computer Science Advanced Level	Entry requirements: GCSE Grade 5 or above in English and preferably a Grade 6 in Maths. Grade 5 or above in Computer Science (if taken). Students can take this course without having done GCSE Computer Science.
Media Studies Level 3 Diploma	GCSE Grade 4 or above in English.
Drama and Theatre Studies Advanced Level	GCSE Grade 5 or above in Drama and Grade 5 in English.
English Language and Literature Advanced Level	Grade 5 or above in GCSE English Language and Grade 5 or above in GCSE English Literature.
English Literature Advanced Level	Grade 5 or above in GCSE English Language and Grade 5 or above in GCSE English Literature.
Film Studies Advanced Level	Grade 5 or above in English Language or Literature.
French and Spanish Advanced Level	Grade 6 or above in your chosen language.

## Subject Requirements at a glance....continued

Geography Advanced Level	Grade 5 or above in English and Maths.
History Advanced Level	Grade 6 or above in GCSE English or Grade 6 in History.
Level 3 Extended Project Qualification	English and Maths at Grade 5 or above.
Mathematics Advanced Level	Grade 7 or above in GCSE Maths.
Further Mathematics Advanced Subsidiary Level	Grade 7 or above in GCSE Higher Tier Maths.
Further Mathematics Advanced Level	Grade 7 or above in GCSE Higher Tier Maths.
Music Advanced Level	Grade 6 or above in GCSE Music. Performing ability on an instrument (or voice) to at least Grade 5 standard is essential. Students who do not have Grade 5 Theory are required to study for this exam during the first term.
Music (Performing) BTEC Level 3 Subsidiary Diploma	5 GCSEs at Grades 5 or above, plus a passion for Music and a good ability in performance.
Performing Arts Extended Certificate/ Diploma	Extended Certificate (1 A Level equivalent). Diploma (2 A Level equivalent). 5 GCSEs at Grade 4 or above including in English and Maths.
Philosophy Advanced Level	Grade 6 or above in GCSE English.
Physical Education Advanced Level	Grade 5 or above in English and Maths, plus Grade 5 in Science. Grade 5 or above in GCSE PE or Distinction in Level 2 BTEC Sport.
Photography Advanced Level	Grade 6 or above in GCSE Art. (If you haven't studied GCSE art, you will need to attend an interview and submit a portfolio of work).
Physics Advanced Level	Grade 6 or above in GCSE English and Maths. Grade 6-6 or above in Core and Additional Science or 6-6-5 in Triple Sciences (the Grade 6 must be in Physics). GCSE Applied Science or Level 2 BTEC Science will not be accepted as a route to A Level Physics.

## Subject Requirements at a glance....continued

Product Design Advanced Level	Grade B or above in GCSE Product Design, Graphics or Resistant Materials, as well as an enthusiasm for design.
Sociology Advanced Level	Grade 6 or above in English.
Cambridge Technical in Sports Coaching, Leadership and Physical Education	Grade 4 or above in Science and English. Grade 4 or above in PE. Pass in Sports Studies.



*Qualifications:* GCE A Level

*Exam Board:* AQA

*Entry Requirements:* Grade 6 or above in GCSE Art. (If you haven't studied GCSE Art, you will need to attend an interview and submit a portfolio of work).

### Overview

If you have enjoyed GCSE Art and Design and you wish to extend your learning in the subject, you will find A Level Art and Design a stimulating and rewarding option. The Art and Design course is underpinned throughout with a strong emphasis on continuing to develop key skills and knowledge and understanding of other artists. In Year 12, a series of Art History lectures ensure that all students' work has a strong theoretical underpinning. Sixth Form students studying A Level Art and Design are encouraged to work in the widest variety of materials and techniques.

A Level Art and Design provides opportunities for personal expression, encourages imagination, sensitivity, conceptual thinking, and powers of observation, analytical abilities and practically orientated attitudes.

### What will I learn?

The A Level Art and Design course is very flexible. It meets the needs of students who wish to specialise in Fine Art, as well as those who wish to pursue a more general course involving a range of media. All students will have the opportunity to engage in painting and drawing, printmaking, sculpture, photography and mixed media options. The department is very well resourced and equipped. There are opportunities to use a variety of facilities, including a photographic dark room and a suite of computers. Students also have the opportunity to attend weekly life drawing classes.

### How will I learn?

Students are guided through a structured course, developing independent thinking skills. While starting points in projects may be shared, the course allows students to develop a great degree of autonomy and individual direction within their work.

We are keen to integrate opportunities for our students to exhibit their work alongside professional artists in a public gallery. The Ariel Centre is a fantastic Art Gallery on site with a rolling programme of public events, showcasing our students' work as well as local and international artists' work. Students also have exciting opportunities to visit galleries around the world. Recent trips have included London, New York Metropolitan Museum and Tuscany, where students visited galleries in Sienna and Florence.

### Where could it lead?

There are many routes for students studying Art and Design. The last twenty years has seen an expansion in design related industries and a wide range of degree level courses have been developed to service this sector. The usual route after A Level is to take a one-year Foundation course, although some students have progressed straight onto degree courses. We are proud that our Post 16 students can progress onto the successful Foundation course which is also sited at Kennicott. The high level of achievement among our students has recently been recognised by University College Falmouth with whom we are now working in partnership.

# Art & Design

## ART & DESIGN

### BTEC Level 3 Diploma

*Qualifications:* BTEC Level 3 Diploma in Art and Design

*Exam Board:* Edexcel

*Entry Requirements:* GCSE at Grade 5 - Art and Design, D&T Graphics or D&T Product Design and Grade 4 in English Language or Literature. Alternatively you must have a Level 2 Diploma in an Art and Design related subject, or an equivalent qualification and Level 2 Key Skills (Communication).

#### Overview

If you are a creative, innovative and inquisitive person who enjoys creating and responding to new challenges, briefs and projects, then this course offers you a diverse and exciting range of opportunities and experiences in Art and Design. This is a vocational art and design course which will enable you to explore a variety of disciplines and develop your skills. The course will also help you to identify which area you may like to pursue as a career. The subjects taught include fine art (drawing, painting and printmaking), 3D design, photography, graphic design, community art, sculpture and associated computer software. The programme is for students looking to pursue a career in art and design. It is ideal for those who want to experience a broad range of areas before progressing onto the Art Foundation course and specialising at university. The course allows you to undertake extension specialist units in the field you want to follow in higher education level or as a career.

#### What will I learn?

The Subsidiary Diploma consists of four mandatory units:

- Visual Recording in Art and Design
- Materials, Techniques and Processes in Art and Design
- Ideas and Concepts in Art and Design
- Communication Through Art and Design

There are also specialist units from which you choose, including:

- Graphic Design
- 3D Design
- Painting
- Photography
- Fine Art

You will complete a total of nine units to achieve the Subsidiary Diploma which will take one year. Those who do well and wish to progress onto the second year will complete a further three units to achieve the Diploma, or a further nine to achieve the Extended Diploma.

#### How will I learn?

The programme is practically based and develops your art and design skills and personal style, whilst enabling you to develop a portfolio of your work. The course also provides opportunities in career planning. The evidence based nature of the projects enables you to build up your skills, experiences and knowledge over an extended period of time, allowing you to develop at a much higher level. Where possible, projects are run in conjunction with practising artists, designers, industrial partners and community based clients and stakeholders.

#### Where could it lead?

A BTEC Level 3 in Art & Design offers progression into a broad and diverse range of creative industries and practices. Many students will extend their Art & Design experience by completing at Foundation Art & Design course prior to Higher Education. Other students can further their studies at University at degree level in related courses. Specialisms which students progress on to include, architecture, sustainable design, illustration, product design, photography, fine art, sculpture, interior design, multi-media design and structural packaging.



*Qualifications:* GCE A Level or GCE AS Level

*Exam Board:* AQA

*Entry Requirements:* Grade 6 or above in GCSE Art. (If you haven't studied GCSE Art, you will need to attend an interview and submit a portfolio of work).

### Overview

A Level Photography incorporates digital and black and white film based photography. We use Photoshop as our principal software. Photography is a popular course. We are looking for students who can show creativity, imagination, commitment and a willingness to understand the technical aspects of the subject.

### What will I learn?

Students are given the opportunity to undertake pin hole photography, creative photograms, learn darkroom skills, use digital and film SLR cameras and Photoshop elements. You will explore photography in a creative and personal way, creating studio based work as well as exploring their community and wider environment. Gaining an understanding of photography's place within the history of art and knowledge of genres and photographers is an important part of the course and extends research and analytical skills.

### How will I learn?

Students are guided through a structured course, giving the skills to become independent thinkers. While starting points in projects might be shared, the course allows students to develop a degree of autonomy and individual direction within their work.

During the course, students have the opportunity to visit major exhibitions of contemporary photography. They are also encouraged to visit local photography exhibitions independently. We also invite photographers and specialist practitioners to lead workshops and talk about their professional experience. Students have the opportunity to exhibit their work in the College's gallery.

You need to be self-motivated as you will have to take some of your photographs out of school time and travel to interesting locations. You also need to be committed to the subject as during the first term many new skills have to be learnt. There is a written element in this course. You will have to annotate your work and analyse photographs. You will also research and write about different genres, photographers and art movements. Students who choose to study Photography will need a 35 mm single lens reflex manual camera and have access to a digital camera. They will be expected to purchase film, paper and other materials during the course.

### Where could it lead?

Universities offer a variety of photography courses, ranging from documentary photography to fine art photography. An A Level in Photography can also be advantage to students wishing to follow media related courses such as journalism and film courses.

# English and Media

## MEDIA STUDIES Level 3 Diploma

<i>Qualifications:</i>	OCR Cambridge Technical Level 3 Diploma in Media Studies. For the right applicants we will consider offering the Extended Diploma, equivalent to 3 A Levels.
<i>Exam Board:</i>	OCR
<i>Entry Requirements:</i>	GCSE Grade 4 in English Language or English Literature.

### Overview

Consisting of 9 coursework units and 3 exam units, this course enables students who struggle with examinations to take a qualification where examination results do not carry as much weight as coursework does, thus giving them the opportunity to present their abilities in a less high pressure scenario.

### What will I learn?

The 3 exam units are on Media Products & Audiences, Pre-Production & Planning and Social Media & Globalisation. These are more theoretical and require students to be taught about how media industries work—something that's important if they wish to work in one of them! The coursework units all require students to create media products for specific media platforms, for example: Unit 5 TV & Short Film Production and Unit 15 Create Audio-Visual promos.

### How will I learn?

Lessons are designed to encourage active student participation. For the exam units, you will be introduced to a topic or theory and will be asked to research independently on what you've learnt so as to apply it. You'll often be asked to conduct research. For coursework units, you will often be given a booklet to guide you: this sets up the task, with help sheets and methods of completing the work.

### Where could it lead?

Most graduates find jobs within the art/design/culture sector and, within the film industry itself as directors, video/film recorder operators and broadcasters. Within the film, TV and video industries, roles may include film/video/television editor, camera operator, photographer, art director, TV or film producer or production assistant, runner, location/props manager or programme researcher. In addition, the publishing industry, including printed newspapers, magazines, online publications and websites may offer opportunities to write about films as a journalist, content manager or editor, or to work in film and picture research and archiving. Some business areas, such as advertising, marketing and communications, may also utilise the creative and analytical abilities of graduates in roles such as art directors, account managers, copywriters and market researchers. Teaching and lecturing are also potential career options.

# English and Media

## ENGLISH LANGUAGE AND LITERATURE Advanced Level

*Qualifications:* GCE A Level

*Exam Board:* AQA

*Entry Requirements:* Grade 5 or above in GCSE English Language and Grade 5 or above in GCSE English Literature.

### Overview

A Level English Language and Literature involves students in the study of both literary and non-literary texts. Students will develop new approaches to the ways in which texts are analysed, through the acquisition of a wide range of technical vocabulary. They will develop their ability to use linguistic frameworks to analyse texts and will also learn to write in a range of forms and styles for different audiences and purposes. As the course progresses, students will study a range of poetry, prose and drama, examining the ways in which writers use language for different effects. Students will also study modern non-literary media texts and will investigate how spoken language differs from the written word. The course is assessed through two open book exams; students will be asked to respond to extracts from the set texts they have studied and to relate them to the whole texts from which they are taken. In addition, students will undertake a coursework assignment investigating their own choice of texts.

### What will I learn?

#### *A Level Paper 1: Telling Stories*

You will study a prose text focussing on genre and viewpoint and explore how these shape the reader's response. In addition, you will study the work of a specified poet, examining how poetic voice is used to represent the world. You will study an anthology of non-literary and media texts that are linked to the city of Paris in order to develop the ability to compare texts using linguistic terminology. You will learn to write analytical essays using a range of literary and linguistic terms and to write in various styles, registers and voices.

#### *A Level Paper 2: Exploring Conflict*

To prepare for this exam you will learn to write creatively for a number of different audiences using different styles and registers. You will be asked to produce a piece of creative writing based on the prose text you have studied and then to comment on your own linguistic decisions. You will also study a drama text and respond to an analytical question about it.

#### *Non-exam assessment: Making Connections*

You will undertake a personal investigation that explores a specific technique or theme in both literary and non-literary texts. The choice of text will be agreed in consultation with your teacher.

### How will I learn?

Lessons are designed to encourage active student participation. Discussion and group or individual presentations are regular features. Students should be prepared to talk about their own responses to texts and consider alternative interpretations. In order to be successful, it is important that students read widely beyond the set texts and are prepared to increase the range of their personal reading. Above all, the course aims to allow students to develop as critical thinkers and to foster a fascination with the way the English language works.

### Where could it lead?

English is a subject that demands flexible thinking skills and a fluent writing style. It is therefore an asset in all areas of further study and training. It is a good basis from which to study areas such as law, journalism and medicine.

# English and Media

## ENGLISH LITERATURE Advanced Level

*Qualifications:* GCE A Level

*Exam Board:* AQA

*Entry Requirements:* Grade 5 or above in GCSE English Language and Grade 5 or above in GCSE English Literature.

### Overview

A Level English Literature includes the study of a range of literature including both modern and pre-twentieth century texts. The A Level course is initially anchored by the central theme of 'Love through the Ages' and students will study a range of texts from the genres of poetry, prose and drama. In year two of the course the focus shifts to the study of modern literature written post 1945. The course engenders a sense of the development of English literature over time, through the placing of texts within their contexts. Students are encouraged to read widely around the thematic focus in order to gain a wider perspective on the history of literature. The course is assessed through two exams and an extended coursework essay.

### What will I learn?

*Paper 1: Love through the Ages.*

You will study a Shakespeare play focussing on the ways in which the theme of love is explored through language and dramatic technique. You will also study one prose and one poetry text, one of which must have been written pre-1900 and one post-1900. The exam will ask you to relate a printed extract from your studied play to the play as a whole. You will learn to respond to unseen poetry and to compare prose and poetry texts, as both skills will be tested in the exam.

*Paper 2: Texts in Shared Contexts. Modern times: Literature from 1945 to the present day.*

You will study three texts: one prose, one poetry, and one drama, of which one must be written post-2000. The exam will test your ability to compare texts and to respond to unseen texts in addition to responding to individual texts in a detailed manner.

*Non-exam assessment: Independent Critical Study: Texts across Time.*

You will undertake a comparative critical study of two texts, at least one of which must have been written pre-1900. You will choose your texts in consultation with your teacher in order to produce an extended essay of 2500 words, together with a supporting bibliography.

### How will I learn?

Lessons are designed to encourage active student participation. Discussion and group or individual presentations are regular features. Students should be prepared to talk about their own responses to texts and consider alternative interpretations. A genuine interest in reading a range of texts is essential if you are to enjoy the course and succeed. Students are expected to support the study of set texts with extensive background reading.

### Where could it lead?

English is a subject that demands flexible thinking skills and a fluent writing style. It is therefore an asset in all areas of further study and training. It is a good basis from which to study areas such as law, journalism and medicine.

*Qualifications:* GCE A2 Level  
*Exam Board:* EUQAS  
*Entry Requirements:* Grade 5 or above in English Language or English Literature.

### Overview

A Level Film includes a study of a range of films including both modern and classic film texts. The A Level course explores films from the 1950s to the present day, including films made in the Hollywood system to those made in non-English speaking countries.

### What will I learn?

#### *Paper 1 – Varieties of film & film making*

You will study Hollywood Film from 1930-1990 by exploring Alfred Hitchcock's Vertigo and Ridley Scott's Blade Runner, focussing on how these directors are auteurs and how their body of work—or oeuvre—reflects consistent themes, aesthetics, film making techniques, a defined world view via narrative and how the auteur is the star. You will also explore how American film since 2005 allows an audience to read the same text in differing ways via an analysis of Selma and Captain Fantastic. Finally, you will decipher how British film since 1995 uses the genre of comedy in creative ways with Shaun of the Dead and Sightseers as our key texts.

#### *Paper 2 – Global film making perspectives*

You will study some Global Films for this paper, starting with City of God (Brazil) and París, le labyrinth (Spain/Mexico). Documentary Film will also be examined, with a focus on Stories We Tell. Looking into early cinema, you will go on to explore Silent Film, via an analysis of the film Sunrise. Finally, you'll finish off with Experimental Film with Tarantino's Pulp Fiction, focussing on its experimental use of narrative.

### How will I learn?

Lessons are designed to encourage active student participation. You will be introduced to a topic or theory and will be asked to research independently on what you've learnt so as to apply it. You will often be asked to write an essay on the films you've viewed to ensure you understand all possible topics that could arise in the exams.

### Where could it lead?

There are a wide variety of Higher Education Courses in Film Studies, including Russell Group Universities. Most graduates find jobs within the art/design/culture sector and, within the film industry itself as directors, video/film recorder operators and broadcasters. Within the film, TV and video industries roles may include film/video/television editor, camera operator, photographer, art director, TV or film producer or production assistant, runner, location/props manager or programme researcher. In addition, the publishing industry, including printed newspapers, magazines, online publications and websites may offer opportunities to write about films as a journalist, content manager or editor, or to work in film and picture research and archiving. Some business areas, such as advertising, marketing and communications, may also utilise the creative and analytical abilities of graduates in roles such as art directors, account managers, copywriters and market researchers. Teaching and lecturing are also potential career options.

# Humanities

## GEOGRAPHY

### Advanced Level

<i>Qualifications:</i>	GCE A Level
<i>Exam Board:</i>	AQA
<i>Entry Requirements:</i>	GCSE Grade 5 or above in English and Maths

#### Overview

If you choose AQA Advanced Level GCE in Geography you will have the opportunity to:

- engage with the relationship of human populations to each other over space and time
- study the relationship between human populations with their physical environment at a variety of scales from the local to the global
- consider your own role in relation to themes and issues being studied and the roles, values and attitudes of others including decision makers

#### What will I learn?

- Unit 1 – Physical Geography: water and carbon cycles, coastal systems and landscapes and hazards
- Unit 2 – Human Geography: global systems and global governance, changing places and contemporary urban environments
- Unit 3 – Geographical Fieldwork Investigation

#### How will I learn?

Lessons will take many different forms with an emphasis on encouraging student-led learning, allowing you to be active in your learning. Fieldwork, research and practical work are all part of the wider investigation process. They form an intrinsic part of each of these topics. In Year 12 we will be carrying out coastal fieldwork at Start Point and Torbay and rebranding fieldwork in Plymouth and Totnes to link with the Geographical investigations unit (please be aware there is a charge for this).

#### Where could it lead?

Geography is inherently multidisciplinary in a world that increasingly values people who have the skills needed to work across the physical and social sciences. The subject will enable students to have access to a wide range of possible career and Higher Education opportunities. Students will learn and use a variety of transferable skills throughout the course. These skills are in great demand and are recognised by employers and Universities as being of great value.

Geography also combines well with almost all other subjects. Taken with sciences and mathematics, Geography supports applications for almost any science based degree; taken with other humanities subjects, Geography supports an equally wide range of University courses, such as Business, Law, Media, Politics and Philosophy. The subject also has one of the best employment records with only 5.8% of geography graduates still job-hunting six months after they graduated, against an average of 7.3%.

*Qualifications:* GCE A Level

*Exam Board:* Edexcel

*Entry Requirements:* Grade 6 in GCSE English or Grade 6 in GCSE History. It is not necessary to have studied History at GCSE but it is an advantage.

### Overview

History is a well respected subject which would suit both those students who wish to specialise in History as a career and those who wish to create a 'well balanced' academic profile.

### What will I learn?

#### *Component 1: Britain Transformed, 1918 to 1997*

Students will learn about the extent to which Britain was transformed politically, socially, economically and culturally in the years 1918-1997. Students will consider responses to the challenges of war, fluctuations in the economy, technological advancement and the desire for greater social equality.

#### *Component 2: The USA, c1920 to 1955: Boom, Bust, and Recovery*

Students will study in depth the extent of economic and social change in the USA from the post-war boom of the 1920s, through depression, recovery and war, to the transformation of many aspects of US society in the years immediately after 1945.

#### *Component 3: The witch craze in Britain, Europe and North America, c1580 to c1750*

Students will explore the nature of the witch craze that took hold in the late sixteenth century and the changing attitudes to magic and sorcery that eventually contributed to its decline. Together, students will study the social, economic, political and dimensions of the phenomenon, and the broad intellectual challenges that ushered in what is of ten called the Age of Reason.

#### *Component 4: Coursework*

The purpose of the coursework is to enable students to develop skills in the analysis and evaluation of interpretations of history in a chosen question, problem, or issue as part of an independently researched assignment. Students will undergo a short-taught course on the causes of the English Civil War. They will then be expected to complete a period of research into varying interpretations of the causes of the English Civil War, before writing a 4,000 word essay on the subject.

### How will I learn?

A variety of teaching and learning styles will be employed throughout the course. Students will be given the opportunity to acquire and effectively communicate knowledge and understanding of selected periods of history; develop understanding of historical terms and concepts; explore the significance of events, individuals, issues and societies in the past; understand the nature of historical evidence and the methods used by historians in analysis and evaluation; develop their understanding of how the past has been interpreted and represented and develop their interest in and enthusiasm for History.

### Where could it lead?

History deals in-depth with the ideas, dreams and actions of the most fascinating creature on the planet: humans! By studying History you will develop key skills in researching, analysing and synthesising information from a range of sources and producing substantiated and reasoned conclusions. Vital skills for life! History A Level is highly regarded by Universities. Many prominent lawyers, politicians and professionals in a wide variety of fields have enjoyed an academic historical training which has been beneficial to their careers. This course is ideal for both students who are considering specialising in History at degree level as well as those students following different paths who want to show a well-rounded education and well developed skills in debate. An understanding of History is an essential prerequisite to an understanding of the human condition. For many it becomes a lifelong interest and pastime.

# Humanities

## PHILOSOPHY

### Advanced Level

*Qualifications:* GCE A Level  
*Exam Board:* AQA  
*Entry Requirements:* Grade 6 or above in GCSE English.

#### Overview

Do we perceive the world as it really is? Is there such a thing as truth? Can we ever really know anything? Who are you? Do thoughts exist independently of your body? Is there such a thing as a soul? Can the existences of God be proved? Why is there evil in the world? Is it ever ethical to take another's life? How do we make moral decisions?

If you like asking questions that will expand your mind and enjoy debating and discussing ideas then this course will suit you.

We aim to challenge the ideas you already have and offer you a wide range of views on many complex issues.

#### What will I learn?

The course focuses on aspects of Philosophy:

*Epistemology* explores how we acquire knowledge of the world and what it is we can actually know. We will examine the arguments of different thinkers including Descartes, Locke, Hume, Berkeley and Russell, and consider criticisms and challenges to their views.

*Philosophy of Religion* including arguments for the existence and nature of God, the problem of evil and religious language. Philosophers studied will include Plato, Aristotle, Aquinas, Descartes and Kant, as well as more recent contributions from Russell, Hick and Swinburne.

*Theory of mind* considers the relationship between the mental and the physical, exploring dualist and materialist arguments.

*Ethics* including the main ethical theories of Kantian Ethics and Utilitarianism. An important aspect of this course will also be the application of these theories to the issues of stealing, simulated killing (within computer games, plays, films etc), eating animals and telling lies.

#### How will I learn?

You will develop key skills through a range of lesson activities including debates and discussions, seminar-style research and presentation; exploring films and examining literature. You will also be expected to engage directly with Philosophical arguments from key thinkers. Questioning and challenging is at the heart of Philosophy and the course requires you to be an active learner.

#### Where could it lead?

Philosophy is one of the fastest growing subjects at A Level. It is well respected as an academic subject by Universities. Philosophy can be used as part of basic entrance qualifications for a university course, especially in Politics, the Arts, Humanities, Law and Sciences. The study of Ethics complements work in the field of medicine, medical sciences or the caring professions.

Many of the world's greatest thinkers were Philosophers and today some of our most eminent politicians, authors, directors, journalists and scientists have studied Philosophy. You will be in good company taking this course.



# Computing and ICT

## COMPUTER SCIENCE Advanced Level

*Qualification:* GCE AS/A2 Level

*Exam Board:* AQA

*Entry Requirements:* Grade 6 in Maths is preferred, plus Grade 5 or above in GCSE Computer Science (if taken) – students CAN take this course without having done GCSE Computer Science

### Overview

A Level Computer Science is an exciting new course open to students who have studied Computer Science at GCSE and those who would like to start a new challenge. The subject suits students who already have an interest in how computers work or how to program and have a good level of Maths.

The course is broken down into three units, each assessed in a different way. Unit 1 has a 2½ hour on-screen exam to test student's abilities to program, as well as their theoretical knowledge of computer science. Unit 2 has a 2½ hour written paper on a range of computer science topics from data representation and databases to computer architecture and communication networks. Unit 3 involves students investigating and solving a real problem using a systematic approach and the application of their programming skills.

The first year of the course will cover parts of units 1 and 2 and enable students to take the AS exams in these units (which are 1½ hours each). This will allow students to assess their progress through the course or to stop after one year with a qualification.

### What will I learn?

A lot of time will be spent developing students' skills in the programming. This will be using text based languages such as Python and Visual Basic, starting with basic procedural programming before moving on to object-oriented programming. Key aspects will be using different variable types and data structures, structured programming using procedures and functions, and exception handling.

In Year 12, students will also learn how computers store different types of data (numbers, characters, images and sounds), methods of data encryption and compression, Boolean algebra and logic gates, how computers process and store data using binary digits and the fundamentals of networks and data transmission. In year 13 students will move on to more complex data structures, alternative algorithms for searching and sorting data, relational databases, and functional and object-oriented programming.

### How will I learn?

Students will learn through a mix of teacher input, student research and practical application. Most of the resources will be made available online through Google Classroom and students will be encouraged to continue practical work on their own computers.

### Where could it lead?

A Level Computer Science supports progression into further education, training and employment. Possible routes may include degrees in Computing and ICT, BTEC Higher National in Computing, BTEC Foundation Degree in Computing and related fields.

# Mathematics

## MATHEMATICS Advanced Level

*Qualifications:* GCE A Level  
*Exam Board:* Pearson/Edexcel  
*Entry Requirements:* Grade 7 or above at GCSE Higher Tier Mathematics.

### Overview

Mathematics is an exciting and challenging subject which can be studied for its own sake or to support a range of other subjects. Mathematics lies at the heart of all technological innovations of recent years and is highly valued by both universities and employers.

### What will I learn?

#### Year 12

During the first two terms of year 12, students will cover the AS Mathematics content:

*Pure Maths* is the study of algebra, trigonometry, geometry and calculus and is essential for both the understanding of the subject and to provide the tools to deal with real life applications. This comprises two thirds of the course content.

*Applied Maths* is the study of the way in which Maths is used in life and covers one third of the course content:

- Statistics is the most familiar area as some of the concepts would have been studied at GCSE. Topics covered are probability, representing data and interpreting data
- Mechanics is the most suitable for students taking Physics and important for anyone considering a career in engineering, design or architecture. Topics covered are Kinematics, applications of calculus, Forces and Newton's laws

#### Year 12/13

*Pure Maths.* Students will study proof, partial fractions, functions, parametric equations, binomial expansion, sequences, trigonometry, further calculus, differential equations, numerical methods and vectors. This comprises two thirds of the course content.

The applied content, Statistics and Mechanics, comprises one third of the content:

- Statistics: Students will study further probability, the Normal distribution and Hypothesis testing
- Mechanics: Students will study projectile motion, moments, and Friction. The work on Kinematics, Forces and Newton's laws will be extended to more than one dimension and to more complicated situations

### How will I learn?

In mathematics, the emphasis is on understanding concepts, practising techniques and solving problems. Through discussion, teacher-led exposition, individual study and group work, you will learn to analyse and solve problems. Some topics involve the use of more advanced calculators and computers. Students will need to have their own advanced calculator. In mathematics at Kennicott, it is expected that every student has an excellent work ethic. Not only will you be expected to focus on, and contribute to, class discussion, but a substantial amount of independent study will be required.

### Where could it lead?

A Level Maths opens up a wide range of career options and recent research suggests that those who have a Maths A Level earn an average 10% higher income. Maths affects everything we do in our lives. It forms the basis for many other subjects and is fascinating in its own right. It can lead to a variety of fulfilling careers from engineering, design and architecture to philosophy, geography and even careers in music and the media.

## FURTHER MATHEMATICS Advanced Subsidiary Level

<i>Qualifications:</i>	GCE AS Level
<i>Exam Board:</i>	Pearson/Edexcel
<i>Entry Requirements:</i>	Grade 7 or above in GCSE Higher Tier Mathematics.

**Note:** *This is a one year course and students opting for this course should ensure they are studying three other subjects, one of which needs to be A Level Mathematics.*

### Overview

Further Mathematics involves studying many exciting new ideas and this course is designed for students who enjoy exploring the world of mathematics and who have a real passion for the subject. It is particularly useful for anyone considering a career in maths, engineering, electronics, economics or accountancy.

### What will I learn?

*Pure Maths:* This comprises 50% of the course and covers topics such as matrices, complex numbers, graphs, further algebra, vectors and proof by induction.

*Applied Maths/optional content:* comprises 50% of the course. Areas of study will be chosen from a number of available units such as Further Mechanics, Further Statistics or modelling with algorithms and numerical methods.

### How will I learn?

Through discussion, teacher-led exposition, individual study and group work, you will learn to analyse and solve problems. Further Maths will differ to normal Maths in that there will be more emphasis on problem solving: this is what universities are looking for in good mathematicians.

Some topics involve the use of graphical calculators and computers. Students of Further Mathematics will be expected to have their own graphical calculator.

In Mathematics at Kennicott, it is expected that every student has an excellent work ethic. Not only will you be expected to focus on, and contribute to, class discussion, but a substantial amount of independent study will be required.

### Where could it lead?

Further Maths, like A Level Maths, opens up a wide range of career options and recent research suggests that those who have a Maths A Level earn an average 10% higher income. Maths affects everything we do in our lives. It forms the basis for many other subjects and is fascinating in its own right. It can lead to a variety of fulfilling careers from engineering, design and architecture to philosophy, geography and even careers in music and the media.

**Note:** *Those students who choose to do this AS course will have the option to continue on to the full A Level in the second year if they are making good progress.*

# Mathematics

## FURTHER MATHEMATICS

### Advanced Level

<i>Qualifications:</i>	GCE A Level
<i>Exam Board:</i>	Pearson/Edexcel
<i>Entry Requirements:</i>	Grade 7 or above in GCSE Higher Tier Mathematics.

**Note:** *Students opting for this course will also need to study A Level Mathematics.*

#### Overview

Further Mathematics involves studying many exciting new ideas and this course is designed for students who enjoy exploring the world of mathematics and who have a real passion for the subject. It is particularly useful for anyone considering a career in maths, engineering, electronics, economics or accountancy.

During the first two terms of year 12, students will cover the AS Further Mathematics content

#### What will I learn?

*Pure Maths:* This comprises 50% of the course and covers topics such as matrices, complex numbers, graphs, further algebra, vectors, proof by induction, series, further calculus, hyperbolic functions and differential equations.

*Applied Maths/optional content* comprises: 50% of the course. Areas of study will be chosen from a number of available units such as further mechanics, further statistics, modelling with algorithms, numerical methods and further pure maths.

#### How will I learn?

Through discussion, teacher-led exposition, individual study and group work, you will learn to analyse and solve problems. Further Maths will differ to normal Maths in that there will be more emphasis on problem solving: this is what universities are looking for in good mathematicians.

Some topics involve the use of graphical calculators and computers. Students of Further Mathematics will be expected to have their own graphical calculator.

In Mathematics at Kennicott, it is expected that every student has an excellent work ethic. Not only will you be expected to focus on, and contribute to, class discussion, but a substantial amount of independent study will be required.

#### Where could it lead?

A Level Further Maths, like A Level Maths, opens up a wide range of career options and recent research suggests that those who have a Maths A Level earn an average 10% higher income. Maths affects everything we do in our lives. It forms the basis for many other subjects and is fascinating in its own right. It can lead to a variety of fulfilling careers from engineering, design and architecture to philosophy, geography and even careers in music and the media.

# Modern Foreign Languages

## MODERN FOREIGN LANGUAGES

### French and Spanish, both at Advanced Level

<i>Qualifications:</i>	GCE A Level
<i>Exam Board:</i>	AQA
<i>Entry Requirements:</i>	Grade 6 or above in your chosen language.

#### Overview

Did you know:

- on average, people who use languages in their jobs earn 8% more than their non-linguist colleagues?
- 90% of the world's population live in a country where English is not their native tongue?
- Internet users are three times more likely to buy when addressed in their mother tongue?
- 60% of British trade is with non-English speaking countries?

At Kennicott we offer two languages at A Level: French and Spanish.

#### What will I learn?

The A-level for Spanish and French builds on the knowledge, understanding and skills gained at GCSE. It constitutes an integrated study with a focus on language, culture and society. It fosters a range of transferable skills including communication, critical thinking, research skills and creativity, which are valuable to the individual and society. The content is suitable for students who wish to progress to employment or further study, including a modern languages degree.

The approach is a focus on how the native-speaking society has been shaped, socially and culturally, and how it continues to change. In the first year, aspects of the social context are studied, together with aspects of the artistic life of native-speaking countries. In the second year further aspects of the social background are covered, this time focusing on issues, such as life for those on the margins of French or Spanish-speaking society, as well as looking at the positive influences that diversity brings. Students also study aspects of the political landscape in the native-speaking country.

Students will develop their knowledge and understanding of themes relating to the culture and society of countries where the native language is spoken, and their language skills. They will do this by using authentic spoken and written sources in the native language. As part of the cultural side of the course, we analyse in depth one piece of literature and a film, both topics are relevant for those students keen on continuing language studies further at University.

In order to develop language skills and have first-hand experience of the culture of the country, the College runs study trips abroad, language days out and language experiences in Spanish and French restaurants in the area. We also offer links with Plymouth and Exeter University MFL departments.

#### How will I learn?

Students can expect a varied, interactive and dynamic learning experience to develop listening, reading, writing and speaking skills. They will have the opportunity to analyse, evaluate, debate and develop personal views on the topics studied. Language games, film reviews, PowerPoint presentations and discussions with our native language assistants are examples of the types of activities a student can expect. The aim is to develop and enrich language skills in a purposeful yet enjoyable way.

#### Where could it lead?

Students in the MFL department achieve excellent results and a number go on to study languages at University. You will find that there are lots of exciting new courses on offer at Universities in the UK and abroad, and that a foreign language teams up well with many other subjects. More and more jobs require a good knowledge of a foreign language so, when you have these skills, you will be in demand in the job market.

Contact: Debbie Burman Faculty Leader

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# Performing Arts

## DRAMA AND THEATRE Advanced Level

*Qualifications:* GCE A Level

*Exam Board:* OCR

*Entry Requirements:* Grade 5 or above in GCSE Drama and English.

### Overview

Drama and Theatre Studies is a practical, intellectual and artistic subject. You will be expected to explore the structural elements of theatre from the page to the stage. In order to be successful and enjoy this subject, you will need to have a keen interest in the history of drama and study the practitioners, theatrical forms and conventions that make theatre such a compelling and exciting subject. You must be able to analyse and critically deconstruct the work you study, create and witness. It is recommended that students have achieved a C in GCSE Drama and English.

### What will I learn?

The department has an excellent team of practitioners, supported by a theatre technician. It is energetic and successful, putting on a number of shows every year and getting involved in projects such as the Shakespeare Schools Festival, National Youth Theatre and Frantic Assembly Workshops. Productions and lessons benefit from the use of a raked 320 seat theatre. Students are encouraged to learn beyond their lessons and to take part in projects within and beyond College, such as Devon Youth Theatre and the major annual College production.

### How will I learn?

This course is designed to help you develop strong practical theatre skills backed up by sound knowledge of dramatic theory and practice. You will study play texts, review live theatre and perform in work that you have devised yourself as well as extracts from established texts. You will work on movement, voice and characterisation and keep a detailed portfolio of your process.

### Where could it lead?

Theatre Studies is welcomed by Higher Education establishments on a par with other subjects. There is a considerable amount of academic rigour to this course which, combined with the practical element and approach, makes this an exciting and interesting course. Many students gain places on university courses connected with Theatre.

*Qualifications:* GCE AS/A2 Level

*Exam Board:* Edexcel

*Entry Requirements:* Grade 6 or above in GCSE Music. Performing ability on an instrument (or voice) to at least Grade 5 standard is essential and students must continue with their instrument throughout the A Level course. Students who do not have Grade 5 Theory are required to study for this exam during the first term.

### **Overview**

The Edexcel music course provides the basis for a thorough understanding of music performance, listening and composition. Students who choose to study Music A Level at KEVICC will be offered a range of opportunities for performance and a chance to attend workshops in and out of College. The department provides students access to good recording facilities and a suite of practice rooms.

### **What will I learn?**

During the course students will study three areas of music: composition, musical analysis and performance. They will create their own composition, write about their journey towards this piece of work and present a recital programme. Students will learn the fundamentals of harmony and chorale writing as well as appraising the rich variety of musical styles from around the world, including Western Art music; a sense of curiosity is vital.

### **How will I learn?**

Music at KEVICC is a popular choice with students and, therefore, those who choose to study at the College have the opportunity to learn alongside a number of other able musicians. Lessons are highly engaging and motivating with regular independent learning activities. Students take part in numerous activities which contribute to our rich and stimulating musical community. They are also expected to run extra-curricular activities. The department gives students the chance to take part in a number of projects, shows and concerts over the course of the year and, in addition, the annual College show; this is a major performance opportunity. Musical ensembles include choir, orchestra and bands; there is plenty of opportunity to perform either as part of a KEVICC ensemble or with your own group.

### **Where could it lead?**

Many students who study A Level Music progress to Music College or University degree courses in order to begin a career as a professional musician. However, the A Level Music qualification provides the basis for a wide range of other Higher Education courses and areas of employment such as music production, TV, theatre and film composition and arts management. Universities and employers often consider an advanced level music qualification as an asset to potential undergraduates or employees. Studying music at A Level will enhance your CV and your prospects of future employment or training.

# Performing Arts

## MUSIC (Performing) BTEC Level 3 Subsidiary Diploma

*Qualifications:* BTEC Level 3 Subsidiary Diploma in Music (option for early exit at end of Year 12 with a Level 3 Certificate)

*Exam Board:* Edexcel

*Entry Requirements:* 5 GCSEs at Grades 9-4. A passion for music and a good ability in performance on a chosen instrument (including voice). A willingness to commit to out of College hours rehearsals and attend live performances. You do not need to be able to read music but some basic knowledge of music theory will be helpful.

### Overview

The BTEC Level 3 Subsidiary Diploma in Music Performance is a two-year vocational course which provides students with a practical understanding of the skills required to work within the music sector. It is a modern and contemporary music course, looking at research of professional practice, improvisation, composing and aural skills, with the main focus being performance. This is a highly recognised musical qualification.

### What will I learn?

Each term, students will explore performance techniques, composing and aural skills, as well as looking at music within the industry and the place of popular music within the history of music. There will be projects linked with the community as well as opportunities to regularly gig and create your own showreel/CD to self-promote as you launch yourself into the local and regional music performance field.

This is a newly delivered, first time course for musicians who are keen to work with local artists, commit to being a self-sustained musician and want to broaden their own skills in being successful in the music industry.

Students will be guided through appropriate repertoire and technique as well as support in choosing the right course for their career.

### How will I learn?

You will, essentially, become a member of a musician company within College and will learn by completing a range of projects and assignments that are based on realistic workplace situations, activities and demands. The work will be assessed through evidence-based portfolios, solo and ensemble performance recordings and composition work. As well as learning about the employment area you have chosen, you will develop the skills that you need to start a career. The course is delivered by professionals with real experience of professional performance and the sound world.

### Where could it lead?

As a Level 3 vocational course, this is the perfect springboard to a career in the music industry. Students will explore the diverse range of employment opportunities, aside from professional performer. Colleges and Universities recognise this as the equivalent to one A Level. For students entering vocational Higher Education, such as modern/pop or live music degrees, this is the most common qualification for new entrants.



### 2 route ways:

1. **Extended Certificate – equivalent to 1 A Level**
2. **Diploma – equivalent to 2 A Levels**

*Qualifications:* Level 3

*Exam Board:* BTEC

*Entry Requirements:* 5 GCSEs at grades 9-4 including English and Maths. Prior experience in Performing Arts is desirable.

### Overview

Performing Arts is for those students who are performers, creators and producers. It provides students with a practical understanding of the skills required to work as a Performer or Arts Practitioner. Students will participate in a range of intensive classes, workshops and rehearsals led by specialist Performing Arts staff and artists.

### What will I learn?

Both Extended Certificate and Diploma will follow unit based learning.

1. **Mandatory Units:** Investigating Practitioners' Work, Developing Skills and Techniques for Live Performance, Group Performance Workshop and Performing Arts in the Community.
2. **Optional Units:** A selection of optional units are available to students depending on the student route way e.g. drama students may pick Acting Styles and Developing Voice for Performance, dance students could choose Jazz Dance and Contemporary Dance Technique, music students may choose Singing Techniques for Performers and Musical Theatre Techniques.

### How will I learn?

Students will learn through a hub model (4 hour block of learning) once a week to provide a company based learning environment suited to level 3 learners. This will prepare students for post 16 courses effectively. Specialist teachers, resources and personalised unit route ways will support students to maximise potential and achieve the most from their training.

Additional hours will be given to those who choose the Diploma Level 3.

The course will encourage students to work collaboratively and independently on both solo and group tasks. In addition to the practical elements of the course, students will be expected to create portfolio evidence to meet the assessment criteria.

### Where could it lead?

Performing Arts is suitable for anyone wanting to pursue the arts in Higher Education, or as support for any course requiring good communication and group work skills. For students entering Vocational Higher Education such as Performing Arts College this is the most common qualification for new entrants.

We currently have students working in the industry and studying at a range of Performing Arts colleges, Dance colleges, Drama schools and Universities.

Contact: Sarah McInally Team Leader for Dance  
or Dawn Shaw Leader of Performing Arts

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# Science

## BIOLOGY

### Advanced Level

*Qualifications:* GCE A Level

*Exam Board:* Edexcel

*Entry Requirements:* Grade 6 or better in GCSE English and Maths. Grade 6-6 or above in Combined Science or 6-6-5 or above in Triple Sciences (one Grade 6 must be in Biology).

#### Overview

Should GM food be grown in Britain? Can genetic disease be eliminated from the world today? Can we stop global warming? Should genetic engineering be encouraged? Should human genes be patented? How fragile is the world's ecology? Are there cures for new diseases that are ravaging the world?

These are some of the most important issues facing mankind in the twenty first century. There are many, many more. Their impact on the individual, the community and the world needs an understanding of biology in all its forms.

#### What will I learn?

We have adopted the Salters Nuffield Advanced Biology (SNAB) course of study. This course uses a context-led approach. Biological principles and theory are introduced when required to aid understanding of the context.

*In Year 12 topics include:*

Lifestyle, health and risk. Genes and health. Voice of the genome. Biodiversity and natural resources.

*In Year 13:*

All Year 12 topics **plus**: On the wild side. Infection, immunity and forensics. Run for your life. Grey matter.

#### Practical Skills Endorsement

This qualification will give students opportunities to use relevant apparatus and techniques to develop and demonstrate specific practical skills. To achieve a pass, students must demonstrate that they are competent in all of the practical skills listed in the subject content requirements for subject. Students must show practical competency by completing a series of core practicals throughout the course. This does not form part of the A Level grade

#### How will I learn?

Lessons will take many forms. There may be lectures, seminars, discussion groups or practical work. Students will be expected to read journals, engage in debate and to take an active part in their own learning.

#### Where could it lead?

Biology also offers a wide range of career and Higher Education opportunities. It is a broad science which allows the student to study a range of topics which are traditional yet relevant to today's research. Biology is going through a period of great expansion and interest. It offers great opportunities and is well placed to become the science of the new millennium.

*Qualifications:* GCE A Level

*Exam Board:* OCR

*Entry Requirements:* Grade 6 or better in GCSE English and Maths. Grade 6-6 or above in Combined Science or 6-6-5 or above in Triple Sciences (one Grade 6 must be in Chemistry).

### Overview

The A Level course in Chemistry is certainly demanding, requiring not only intellectual qualities but also the personal qualities of patience, considerable persistence and great commitment. However, it is innovative, includes 'cutting edge chemistry' and fun!

The courses present chemistry in important 'real world' contexts. Chemical concepts are introduced within a relevant context, the course being written as a series of modules based on contemporary issues in chemistry. Students study the chemistry in a spiral way so that chemical ideas introduced in early topics are reinforced later.

### What will I learn?

- Elements of Life
- Developing Fuels
- Elements From the Sea
- What's in a Medicine?
- The Chemical Industry
- Polymers and Life
- Oceans
- Developing Metals
- Colour by Design

### How will I learn?

Learning styles vary from the traditional to individual problem solving tasks and group presentations. Interpretation and quality of practical work also forms a high percentage of the learning.

### Where could it lead?

A Level Chemistry is an essential or preferred qualification not only for a wide variety of science related courses at University but is also viewed very favourably by the business and financial sector. It is commonplace for chemistry graduates to move into other areas of science. As a result, many doors are open to chemistry graduates and career opportunities are very diverse. Chemistry is also a wise choice for students studying subjects mainly in the arts or humanities but who wish to maintain a breadth and diversity in their studies. A chemistry qualification shows that you have the qualities important to many non-scientific careers, as well as scientific ones – that's why you'll find chemists in everything from food to finance. It is an exciting and innovative course. Try it!

# Science

## PHYSICS

### Advanced Level

**Qualifications:** GCE A Level

**Exam Board:** Edexcel

**Entry Requirements:** Grade 6 or better in GCSE English and Maths. Grade 6-6 or above in Combined Science or 6-6-5 or above in Triple Sciences (one Grade 6 must be in Physics).

#### Overview

We are all users of Physics but if you are thinking of A Level Physics, you are interested in not only using but understanding it. The world of Physics spans ideas on the origins and eventual end of the universe to the behaviour of the smallest particles. We do not promise to answer all these questions in A Level Physics but we take a step towards the answers and hopefully leave you with a desire to investigate further.

*Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning - Einstein*

#### What will I learn?

This is a modern and exciting way to study Physics. Contexts and applications drive the course and give you motivation and interest to explore the world of physics and the many career choices open to you. The contexts in which physics is studied include some of the things we are most interested in: food, sport and music, as well as archaeology, spare part surgery, cosmology, Eurostar trains and designing buildings to withstand earthquakes.

Our course tutors are dedicated physicists, enthusiastic about their subject and always keen to give students the help that they need for a successful and fulfilling time with Kennicott Physics.

#### How will I learn?

The teaching of the course makes use of a purpose written book and is enlivened by demonstrations, practical activities and computer simulations. Questioning and discussion also form a crucial element in getting to grips with new and, sometimes, mind blowing concepts, but underlying it all you will have explained to you how the universe works: the very laws of nature (or Physics as we prefer to call it!).

Your teachers will show you how to make the most of learning opportunities, in particular turning homework from a chore into an effective learning process. Past examples of Physics related field trips include The Norman Lockyer Observatory to see telescopes in action, Woodlands Adventure Park to consider forces in actions and the Large Hadron Collider at CERN to see the world's biggest experiment (and to visit the high Alps by cable-car, journey inside a glacier, consider the Physics of bungee-jumping and spend time in Paris en-route!).

#### Practical Skills endorsement

This qualification will give students opportunities to use relevant apparatus and techniques to develop and demonstrate specific practical skills. To achieve a pass, students must demonstrate that they are competent in all of the practical skills listed in the subject content requirements for subject. Students must show practical competency by completing a series of core practicals throughout the course. This does not form part of the A Level grade.

#### Where could it lead?

Salter's Homers Advanced Physics is welcomed at all Universities and our former students have gained places at wide range of Universities, including Oxford, Cambridge, Imperial and Bristol. Students have gone on to University courses in Pure Physics or Engineering or on to broader based courses combining physics with a language, business or computing. You will find A Level Physics students pursuing careers in the city, designing and rectifying the Millennium Bridge, in law and accountancy as well as the more usual physics-based careers. These include medical physics, astrophysics and geophysics, to name but a few.

*Qualifications:* GCE A Level  
*Exam Board:* AQA  
*Entry Requirements:* Grade 6 or above in English.

### Overview

Sociology is a fascinating, wide ranging and dynamic discipline which examines the nature of contemporary society. Sociology tries to understand how society works and it helps to provide us with answers to important social questions: Do families need fathers? Why does racism exist? Why are some people poor? Does being equal make us happy? What is feminism? Is religion dead? Does prison work? Are criminals born or made?

### What will I learn?

#### Unit 1: Education with Theory and Methods

This unit explores the roles and functions of the education system including its relationship to the economy and class structure. The issue of the interplay between educational achievement and social inequality is interrogated, alongside study of the relationships and processes within schools. The significance of educational policy is also covered and the impact of globalisation on education.

#### Unit 2: Topics in Sociology

##### Families and Households and Beliefs in Society

Whilst studying Families and Relationships, students will explore the relationship of the family to social structure and social change; changing patterns of family relationships and the diversity of contemporary family structures; gender roles; the nature of childhood and demographic trends (e.g. birth rates, death rates, family size etc.) since 1900.

In the Beliefs in Society unit, students will cover ideology, science and religion; the relationship between social change, social stability and religious beliefs and practices; the relationship between different social groups and religion; the significance of religion in a contemporary world, including globalisation and the spread of religions.

#### Unit 3: Crime and Deviance

Students will become familiar with sociological explanations of crime, deviance and social order; the social distribution of crime and its links to social inequality; globalisation and crime in contemporary society, including the media, green crime, human rights and state crimes; crime control, prevention and punishment.

In units 1 and 3, students will learn about the processes of sociological research as well as the theories underpinning academic study of the subject.

### How will I learn?

Lessons are lively and involving. Discussion, debate, the sharing of ideas and group work are important aspects of the course. There is no coursework.

### Where could it lead?

The emphasis on the acquisition of higher order skills in this course enables students to develop transferrable capabilities which could be utilised in either academic or professional arenas.

Sociology is accepted as admission to a wide range of University degree courses in the Social Sciences, for example Sociology and Social Policy, Anthropology, Psychology, Politics and Business Studies; Humanities and the Arts, for example Media Studies and Journalism and Education. Sociology is useful for a huge range of careers including social and probation work, criminology and the legal profession (including policing), equal opportunities, human rights, journalism, social policy and research, education, business including human resource management, Civil Service and health care including nursing, physiotherapy and speech therapy.

# Sport & Leisure

## PHYSICAL EDUCATION Advanced Level

*Qualifications:* GCE A level

*Exam Board:* OCR

*Entry Requirements:* GCSE Grade 5 or above in English, Maths and Science. If studied, Grade 5 or above in GCSE PE or Level 2 Merit in Sport Studies. Students should be regularly participating in sport and physical activity and have one sport in which they compete.

### Overview

The A Level Physical Education course is ideally suited to any student interested in sport who wishes to gain a more comprehensive understanding and experience in all aspects of the subject. The course is very suited to students who participate in one sport to a good standard and compete regularly in that sport. The course comprises theoretical areas of study (70% of overall grade) and a practical unit of work (30% of overall grade). The A Level course is assessed via three exams at the end of Year 13. The practical unit, which is internally assessed and externally moderated, consists of assessment in one sport and an observation and analysis of performance in that sport.

### What will I learn?

PE students will gain a comprehensive understanding of three key theoretical areas;

- The Human Body and Function of Movement
- Psychological Factors that Influence Participation in Physical Activity
- Sociological and Contemporary Factors that Influence Participation in Physical Activity

Alongside these there is the practical unit in which students will be assessed in one sport. Students will also observe and critically analyse the performance of a player in this one sport as a verbal assessment.

Opportunities to engage in sport and further skill development include: our extra-curricular programme which is updated each term; Level 2 Sports Leaders programme during independent study time; opportunities to work with the PE department to develop experience in teaching and coaching and with our feeder primary schools and younger year groups, to broaden that experience; and finally opportunities to get involved in Ten Tors teams and Duke of Edinburgh Awards run by Mr Matson.

### How will I learn?

You will learn through individual and group work, discussion and debate, independent reading and research, teacher led sessions, the use of video and ICT, role play, educational visits and practical tasks.

### Where could it lead?

Students may progress to sports related apprenticeships or degree courses, such as Sports Science, Physical Education Teaching, Sport Studies, Dance Movement Studies, Sports Therapy, Physiotherapy, Physical Education Teaching, Sports Management, Leisure Services, Sports Coaching, Sports Media, Physical Recreation, Sports Law and Sports Development. Students can also progress into employment or apprenticeships within the sport and leisure industry.

## OCR CAMBRIDGE TECHNICAL IN SPORTS COACHING, LEADERSHIP & PHYSICAL EDUCATION

*Qualifications:* OCR Cambridge Technical Diploma in Sports Coaching, Leadership and Physical Education

*Exam Board:* OCR

*Entry Requirements:* Grade 4 or above in GCSE Science, English and if studied GCSE PE or Level 2 Pass in Sport Studies

### Overview

The Cambridge Technical has replaced our old BTEC Sport course at Level 3 and will enable students to develop the experience, knowledge and skills to progress into employment, apprenticeships or higher education in the sports coaching, sports science, leisure management and business, personal training and PE teaching sectors. This is an exciting and innovative course which will provide opportunities to work with young people and a range of other professionals and employers within our community.

### What will I learn?

This course consists of a range of theoretical and practical units that are assessed through examination and coursework tasks. The Cambridge Technical course can be taken at different levels of qualification but the one we offer is the Diploma, which is equivalent to two A Levels. The range of units studied for this course include:

- Body Systems and the Effects of Physical Activity \*
- Sports Coaching and Leadership
- Sports Organisation and Development \*
- Working Safely in Sport, Exercise, Health and Leisure \*
- Analysing Performance Profiling in Sport
- Practical Skills in Sport
- Organising Sports Events
- Sports Psychology
- Health and Fitness
- Sports Injuries and Rehabilitation
- Physical Activity for Specific Groups

### How will I learn?

The course is delivered by approaching topics in a practical, vocational, scientific and realistic manner. Students are encouraged to learn both collaboratively and independently through a variety of tasks and assessments. Students will have a lesson on each mandatory and optional unit and assessment is carried out in the form of three external exams and internally assessed assignments for the others. The units marked \* are examination units, the rest consist of assignment tasks including practical tasks, video based evidence, written coursework, research based tasks and presentations.

### Where could it lead?

Employers have recently highlighted the need for students to be able to work with the general public and in particular those who are physically inactive. They need future employees to have the skills, knowledge and understanding to be able to work effectively in the leisure and sport industry. This course will enable progression into either employment, an apprenticeship course or University course such as Sports Science, Sports Coaching, Teaching, Sports Therapy and Event Management.

# Technology

## PRODUCT DESIGN Advanced Level

*Qualifications:* GCE A Level 7552

*Exam Board:* AQA

*Entry Requirements:* Grade B or above in GCSE Product Design, Graphics or Resistant Materials, as well as an enthusiasm for design.

### Overview

Are you passionate about designing imaginative, sustainable and innovative ideas for the future? Can you create exciting ideas of how to develop and improve artefacts and products that we use every day? Do you have a flair for solving problems and responding to challenges?

We strive to produce innovative, challenging and marketable design products. Creativity is core to our practice, combined with excellence in three-dimensional production.

### What will I learn?

There are two routeways within A Level Product Design: Resistant Materials and Graphic Products. All students follow a core knowledge programme that is central to all good design. We have excellent links with industrial partners and other educational establishments including the Schumacher College, University College Falmouth and UCL. At the end of the second year students exhibit their work to the public at the College's Ariel Gallery.

Units include:

- Paper 1 Core Technical Principles, core designing and making principles (25% of A Level)
- Paper 2 Mixture of short answer and extended response questions. Based on product analysis and commercial manufacture. (25% of final grade)
- Design and Make Coursework Project. Substantial design & make task of your choice (50% of A level marks)

### How will I learn?

The course gives you the opportunity to study creative designing techniques, propose and realise prototype solutions in response to design and making opportunities linked with the real world. Student projects are linked with student interests and ambitions.

You will have access to the latest modern design studios and workshop facilities, including a Computer-Aided Design and Manufacturing Suite. Folios are developed in physical and e-portfolio forms. Individual tutorial support is available to all students.

### Where could it lead?

With an A Level in Design and Technology, you can continue onto a Higher Education course in many design fields and eventually a design career. Pathways from this course could lead you into the following design disciplines: produce design, interior design, graphics, exhibition design, jewellery design, furniture design, engineering, vehicle design, architecture, design management and many more.

Product Design complements Art and Design, Media, Photography, Science and Mathematics A Levels.

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## LEVEL 3 EXTENDED PROJECT QUALIFICATION (EPQ)

<i>Qualification:</i>	Level 3 Extended Project Qualification (AS Level)
<i>Exam Board:</i>	Edexcel
<i>Entry Requirements:</i>	5 GCSEs at Grades A*-C including Grade 5 in English and Maths

### Overview

The Extended Project is a single piece of work of a student's own choosing which requires evidence of planning, preparation, research and autonomous working. Students will be able to carry out a project on a topic which may or may not be linked to their A Levels.

### What will I learn?

An Extended Project has a choice of four themes:

- Investigation/field study
- Dissertation
- Artefact
- Performance

### How will I learn?

A number of learning styles will be used throughout the course and students will be given the opportunity to debate issues with the course tutor as part of individual tutorials.

### Where could it lead?

The Extended Project leads to an AS award which is universally recognised in Higher Education.

# Super Curricular

## THE DUKE OF EDINBURGH'S AWARD

### Overview

The Duke of Edinburgh's Award is a youth-awards scheme, recognising participants' achievements in four areas of personal development, volunteering physical activity, skills development and taking part in an expedition. The scheme is internationally recognised, as well as being fun for students!



# Ten Tors Challenge

**Kennicott Sixth Form is in the **TOP 12%**  
of all schools / further education  
colleges in the country**

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