



KINGSBURY GREEN  
ACADEMY



# Sixth Form Options September 2024

*"Achieving Excellence Together"*

FACULTY	SUBJECTS OFFERED
Creative Arts	A Level Fine Art A Level Photography Cambridge Technical Extended Certificate in Performing Arts – Level 3
English	A Level English Language A Level English Literature A Level Film Studies
Humanities	A Level History A Level Philosophy and Ethics A Level Geography A Level Psychology A Level Sociology BTEC National Extended Certificate in Travel and Tourism – Level 3
Enterprise and Creative Technology	WJEC Level 3 Diploma in Food Science and Nutrition Cambridge Technical Extended Certificate in IT – Level 3 Cambridge Technical Extended Certificate in Digital Media – Level 3 A Level Business
Maths	A Level Mathematics A Level Further Mathematics
MFL	A Level French
Science	A level Biology A level Physics A level Chemistry BTEC Level 3 National Extended Certificate in Forensic Science
Sport	Cambridge Technical Extended Certificate in Sport and Physical Activity – Level 3 Cambridge Technical Diploma in Sport and Physical Activity – Level 3
Core Options	EPQ - Level 3 Gold Duke of Edinburgh Award Level 3 Certificate in Mathematical Studies (Core Maths) AS Equivalent

# A Level Biology

**Examination Board:** OCR

**Contact Teacher:** Dr Skinner/ Mrs Park



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## Course Details and Assessment

All components are externally assessed and a supporting practical portfolio to demonstrate competence in practical skills will also be reported on. The exam will cover all work from all areas of the course and include a synoptic exam.

**The course will cover the following Biology topic areas:**

Year 1 Course	Year 2 Course
Basic components of living systems Biological molecules Enzymes Cell division Exchange surfaces and breathing Transport in animals and plants Classification and evolution Biodiversity Communicable diseases	Neuronal and hormonal communication Homeostasis Plant responses Energy for biological processes Respiration Genetics of living systems Patterns of inheritance and variation Manipulating genomes Cloning and biotechnology Ecosystems Populations and sustainability

The course is assessed in the following way:

A Level		
Assessment	Outline	Weighting
Biological processes	2hr 15 minute written paper	37%
Biological diversity	2hr 15 minute written paper	37%
Unified Biology	1 hour 30 minute written paper	26%
Practical endorsement	Ongoing portfolio of experimental techniques	Pass/Fail

Career/Higher Education	Entry Requirements
Biology Environmental biology Ecology Medicine Veterinary science Pharmacy Biomedical engineering Sports science Education and many, many more	2 Science GCSEs at Grade 6 or above. A Grade 5 or above in Maths and English would be an advantage.

*"The essence of life is statistical improbability on a colossal scale."* **Richard Dawkins**

# A Level Business

Examination Board: AQA

Contact Teacher: Mrs Powell



## Course Details and Assessment

This A Level Business course introduces you to all you need to know about working in business, providing a solid foundation for further study. With a focus on helping you to become a good decision maker, you'll learn essential managerial skills, alongside techniques to help you become an analytical problem solver. These skills are all highly sought after and valued in a wide range of careers.

**The course will cover the following topic areas:**

Year 1	Year 2
An introduction to key business areas: Marketing, operations, finance and human resource management	An investigation of the strategic decisions that all businesses have to make.
<b>Content</b> Topic 1 – What is business? Topic 2 – Managers, leadership and decision making Topic 3 – Marketing Management Topic 4 – Operational Management Topic 5 – Financial Management Topic 6 – Human Resource Management	<b>Content</b> Topic 7 – Analysing the strategic position of a business Topic 8 – Choosing strategic direction Topic 9 – Strategic methods: how to pursue strategies Topic 10 – Managing strategic change

The course is assessed through 3 written exams.

Career/Higher Education	Entry Requirements
Business Finance Marketing Management Transferable skills across all subject areas e.g. motivational theory will help you to work well with others and help them achieve their potential Managing your own business	Grade 5 in both English Literature and Language Grade 5 in Maths Grade 5 in Business Studies (if studied for GCSE)

*"Here's to the crazy ones, the misfits, the rebels, the troublemakers, the round pegs in the square holes... the ones who see things differently - they're not fond of rules... You can quote them, disagree with them, glorify or vilify them, but the only thing you can't do is ignore them because they change things... they push the human race forward, and while some may see them as the crazy ones, we see genius, because the ones who are crazy enough to think that they can change the world, are the ones who do."*

**Steve Jobs** Founder of Apple (1955 - 2011)

# A Level Chemistry

**Examination Board:** OCR

**Contact Teacher:** Mrs Woods/ Mrs McCafferty



## Course Details and Assessment

The A Level Chemistry course has a strong focus on practical and mathematical skills, alongside traditional chemical concepts. These components of the course are externally assessed and culminate each year in a series of written exams. The exams are focused on application of knowledge and require candidates to link understanding from all of the units studied.

**The course will cover the following chemistry topic areas:**

Year 1	Year 2
Module 1 - Development of Practical Skills in Chemistry Module 2 - Foundations in Chemistry Module 3 - The Periodic Table and Energy Module 4 - Core Organic Chemistry	Module 5 – Physical Chemistry and Transition Elements Module 6 – Organic Chemistry and Analysis

**The course is assessed in the following way:**

A Level		
Assessment	Outline	Weighting
2h 15m written paper	Periodic Table, Elements and Physical Chemistry	37%
2h 15m written paper	Synthesis and Analytical Techniques	37%
1h 30m written paper	Unified Chemistry	26%
Practical endorsement	Ongoing portfolio of experimental techniques	Pass/Fail

Career/Higher Education	Entry Requirements
Medicine Dentistry Chemical Engineering Biochemical Sciences Pharmacology and many , many more	2 Science GCSEs at Grade 6 or above.  A grade 6 in Mathematics is preferable, a grade 5 essential.  A Grade 6 or above in English would be an advantage.

*“Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less.” Marie Curie*

# Cambridge Level 3 Technical Extended Certificate in Digital Media

**Examination Board:** OCR

**Contact Teacher:** Miss Parsons

## Course Details and Assessment

The Cambridge Technical course in Digital Media aims to develop students' knowledge, understanding and skills of the essentials of media products and their audiences. Students will gain an insight into how different media institutions operate to create products that appeal to specific target audiences. Students will gain knowledge of the production processes and create their own digital media products and campaigns. The course is an exciting combination of Creative iMedia and Media Studies and allows students who have an interest in the subject to continue to develop their knowledge.

**The course will cover the following IT topic areas:**

Year 1	Year 2
<b>Media Productions and Audiences</b> <ul style="list-style-type: none"> <li>Media Industries</li> <li>Job Roles</li> <li>Types of Advertising</li> <li>Demographics</li> </ul> <b>Pre-Production and Planning</b> <ul style="list-style-type: none"> <li>Revenue Streams</li> <li>Regulatory Issues</li> <li>Pre-Production and Planning</li> </ul> <b>Create a Media Product</b> <ul style="list-style-type: none"> <li>Create a media product proposal</li> <li>Plan and develop pre-production materials</li> <li>Create production materials</li> <li>Post-production techniques</li> </ul>	<b>Advertising Media</b> <ul style="list-style-type: none"> <li>Existing Advertising Campaigns</li> <li>Plan a cross-media advertising campaign</li> <li>Produce the planned media components</li> </ul> <b>The Creation and Use of Sound in Media</b> <ul style="list-style-type: none"> <li>Understand how sound elements are used across media industries.</li> <li>Know the techniques and processes used to create sound elements.</li> <li>Plan the production of sound elements.</li> <li>Record, edit and review sound elements.</li> </ul>

**The course is assessed in the following way:**

Year 1			Year 2		
Assessment	Outline	Weighting	Assessment	Outline	Weighting
Unit 1 Exam	2hrs Written Paper	22.3%	Unit 21	Internal Assignment	11%
Unit 2 Exam	2hrs Written Paper	22.3%	Unit 20	Internal Assignment	11%
Unit 3 Internal Assessment	Internal Assignment	22.3%	Unit 23	Internal Assignment	11%

Career/Higher Education	Entry Requirements
University courses Apprenticeship Digital Marketing Graphic Design	Merit or above in Creative iMedia. Grade 4 in GCSE English Language and Maths.

*"New media and mobile entertainment are revolutionizing the way people learn about the world"*  
**Stephen Kinzer**



# A Level English Language

**Examination Board:** AQA

**Contact Teacher:** Mrs Lloyd/Mrs Webb



## Course Details and Assessment

The course will start with a focus on the AS exam content; exploring key theorists, terminology and skills required to analyse and compare texts from various modes. You will also explore the diversity of language and the contextual factors involved, such as gender, geography and social groups.

In the second year we will explore child language acquisition and how language is used to present ideas, attitudes and opinions. We will consider historical changes and worldwide contexts alongside topical issues such as androcentric texts, which provides excellent opportunities for debate and discussion.

You are also required to create coursework (NEA) which will focus on a language investigation and then a piece of original writing which you will review as part of your submission.

A Level		
Assessment Component	Exam	Weighting
Language, the Individual and Society	Written examination, lasting 2 hours 30 minutes	40% of the total qualification
Language Diversity and Change	Written examination, lasting 2 hours and 30 minutes	40% of the total qualification
NEA: Language in Action (language investigation, original writing and a commentary)	Internally assessed coursework Externally moderated	20% of the total qualification

Career/Higher Education	Entry Requirements
University Courses: <ul style="list-style-type: none"><li>• Media</li><li>• Advertising and Marketing</li><li>• Writing and Journalism</li><li>• Communication Studies/ Linguistics</li><li>• Teaching</li><li>• Speech Therapy</li></ul>	Grade 5 or above in English language.

*"This is a Wug. Now there are two of them. There are two \_\_\_\_\_." "The Wug Test" Berko*

# A Level English Literature

**Examination Board:** AQA Literature B

**Contact Teacher:** Mrs Webb



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## Course Details and Assessment

The A Level English Literature course encourages students to understand how narrative works, to look at genre and to learn about critical approaches to texts. Through wide and independent reading, the course also considers different types of critical approach to genre and how texts can reflect cultural meanings.

**The course will cover the following texts and topic areas:**

Year 1	Year 2
<u>Aspects of Tragedy</u> William Shakespeare's <i>Othello</i> Arthur Miller's <i>Death of a Salesman</i> A selection of John Keats' poetry	<u>Elements of Political and Social Protest Writing</u> Margaret Atwood's <i>The Handmaid's Tale</i> Khaled Hosseini's <i>The Kite Runner</i> William Blake's <i>Songs of Innocence and of Experience</i> Unseen text analysis  <u>Paper 3: Theory and Independence (NEA)</u> Students work independently to analyse a text of their choice and a selection of poetry from a specific theoretical perspective (e.g. Marxism or Feminism)

**The course is assessed in the following way:**

A Level	
Assessment	
<u>Paper 1: Aspects of Tragedy</u> Closed book exam. 2 hrs 30 mins. 40%  <u>Paper 2: Texts and Genres</u> Open book exam. 3 hrs. 40%  <u>Paper 3: Theory and Independence (NEA) 20%</u>	
Career/Higher Education	Entry Requirements
This subject is highly regarded by Russell Group universities and is especially useful for careers in Journalism, Marketing, Media, Education and Law.	<ul style="list-style-type: none"><li>• Minimum of Grade 5 or above in English Literature GCSE and English Language GCSE</li><li>• A passion for reading and critical analysis</li><li>• Strong independent learner</li></ul>

*"Literature adds to reality, it does not simply describe it. It enriches the necessary competencies that daily life requires and provides; and in this respect, it irrigates the deserts that our lives have already become."*

**C.S. Lewis**



# A Level Film Studies

**Examination Board:** Eduqas

**Contact Teacher:** Mrs Lloyd



## Course Details and Assessment

Film is one of the main cultural innovations of the 20th century and a major art form of the last hundred years. Studying film enables us to connect with others and enjoy exploring aesthetic and creative aspects. The course enables students to study exciting and dynamic films from around the world, considering significant developments, styles and genres. Eleven films (from the 1920s up to 2010) will be studied in detail. Students will also have the opportunity to be creative: planning and filming their own short films and writing screenplays.

Assessment consists of two exams, of 2 ½ hours each, and the NEA.

**The course will cover the following Film topic areas:**

Year 1	Year 2
Classical Hollywood: <i>Vertigo</i> , <i>Alien</i> New Hollywood: <i>Joker</i> , <i>Moonlight</i> British films: <i>Shaun of the Dead</i> , <i>Under the Skin</i>  NEA (coursework) film or screenplay and an Evaluative Analysis	Global Film: <i>Life is Beautiful</i> , <i>City of God</i> Documentary: <i>Amy</i> Silent Cinema: <i>Strike</i> Experimental Film: <i>Fallen Angels</i>

**The course is assessed in the following way:**

A Level		
Assessment	Outline	Weighting
Component 1	Varieties of film and filmmaking	35%
Component 2	Global filmmaking perspectives	35%
Component 3: NEA	Short film or screenplay and evaluation	30%

Career/Higher Education	Entry Requirements
Film production / marketing Media courses Media and promotion roles Links well to a range of English and Social Studies Courses	Grade 5 and above in English Literature or Language. Or – Grade 4 if students have Film GCSE. Film GCSE will be an advantage, however candidates with a strong interest in film would be considered without this.

*“But having a really good understanding of history, literature, psychology, sciences – is very, very important to actually being able to make movies.”*

*– George Lucas*

# A Level Fine Art

Examination Board: AQA

Contact Teacher: Ms Bennett and Mrs Lesniowska

## Course Details and Assessment

The fine art course encourages students to experiment with materials media and techniques in an expressive and imaginative way, exploring ideas, processes and creativity.

The A level takes on the form of a Personal Investigation. Students develop practical work, which is linked through the exploration of particular themes, concepts, ideas, issues or approaches. Students are actively encouraged to explore their own initial responses and ideas individually, working with a wide range of materials, media and techniques of their own choice. Students produce practical work and a written investigation (between 1000 – 3000 words) related to their practical work. The combination of these should be connected, in some way to the practice of artists, designers or crafts-people. The externally set assignment allows students to select one starting point and put together a portfolio of work based around a theme working in a variety of media and scale.

### The course will cover the following areas:

Year 1	Year 2
Experiment with a wide range of media, techniques and processes.  <b>Recording and experimentation with media:</b> Investigations of relevant sources using a variety of media such as, paint, pencil, pen, textiles, print, ceramics and other 3D media.  <b>Photography:</b> Processes in analogue and digital media.  <b>Life Drawing:</b> 2 day life drawing course with the focus on developing measuring skills.	<b>A Personal Investigation</b> Exploring and experimenting with a wide range of processes, media and scale to express their ideas on their chosen theme. A written piece of work (1000 - 3000 words) to support their practical work. Study the work of a wide variety of artists, photographers and craftspeople.  <b>Externally set assignment</b> Explore their chosen starting point working in a variety of media and scales. With the combination of these to be connected in some way to that of artists, designers or craftspeople.

### The course will be assessed in the following ways:

A Level		
Assessment	Duration	Weighting
Component 1	Unlimited	60%
Component 2 Externally set assignment	15 hours supervised time	40%

Career/Higher Education	Entry Requirements
University courses: Graphics, Advertising, Packaging; Ceramics; Music production, Events management, Web Designers, Architecture, Animation, Video Game designer, Floristry, Millinery, Textiles, Furniture design, Jewellery design, Interior Design, Product design, Fashion/costume design, Car design, Theatre set design, Teaching (primary/secondary etc.), Film making etc.	Grade 4 or above at GCSE Art or Photography  Grade 4 or above in English desirable

*"The artist is a receptacle for emotions that come from all over the place: from the sky, from the earth, from a scrap of paper, from a passing shape, from a spider's web." Pablo Picasso*

# BTEC National Foundation Diploma in Forensics and Criminal Investigation (1.5 A-Level Equivalent)

**Examination Board:** Edexcel

**Contact Teacher:** Dr Skinner



## Course Details and Assessment

The Pearson BTEC Foundation Diploma in Forensic and Criminal Investigation is a comprehensive program designed to prepare students for careers in law enforcement, forensics, and criminal investigation. This course covers a wide range of topics, including crime scene analysis, evidence collection and preservation, forensic science techniques, and the legal aspects of criminal investigation. Students gain practical skills and theoretical knowledge, enabling them to understand and contribute to the criminal justice system. The program offers a solid foundation for further education or immediate entry into various roles within the field of forensic and criminal investigation.

**The course will cover the following topic areas:**

Over the two years	
Unit 1 - Principles and applications of science Unit 2 – Practical Scientific procedures and techniques Unit 3 – Science investigation skills	Unit 4 - Forensic Investigation Procedures in Practice Unit 9 - Environmental Forensics Unit 13 - Forensic Genetics

**The course is assessed in the following way:**

Year 1			Year 2		
Assessment	Outline	Weighting	Assessment	Outline	Weighting
Unit 1 - Principles and applications of science	Externally assessed exam	18%	Unit 3 – Science investigation skills	Externally assessed synoptic exam	24%
Unit 2 – Practical Scientific procedures and techniques	Internally assessed coursework	18%	Unit 4 - Forensic Investigation Procedures in Practice	Internally assessed coursework	18%
Unit 9 - Environmental Forensics	Internally assessed coursework	12%	Unit 13 - Forensic Genetics	Internally assessed coursework	12%

Career/Higher Education	Entry Requirements
Links to a range of university courses Policing Forensic analysis	If Trilogy was studied at GCSE then Science GCSE grade 4-4. If separate sciences were studied at GCSE, a 4 grade in two subjects. A Grade 5 in Maths & English would be an advantage.

*“Science is more than a body of knowledge, it’s a way of thinking, a way of sceptically interrogating the universe” Carl Sagan*

# A Level French

Examination Board: AQA

Contact Teacher: Miss Martin



## Course Details and Assessment

Studying French at A Level gives students the opportunity to refine their language skills, improve their written and oral fluency, whilst broadening their understanding of the culture and society of French-speaking countries, and the issues and influences that have shaped them. The course covers a broad range of topics, whilst providing students with the flexibility to focus on areas of personal interest through the research project and choice of literary works.

**The course will cover the following topic areas:**

AS Course	Full A Level
Core Content: Social issues and trends Artistic culture Grammar	Core Content: Social issues and trends Political and artistic culture Grammar
Options: Literary texts and films	Options: Literary texts and films

**The course is assessed in the following way:**

AS Level			A Level		
Assessment	Outline	Grading	Assessment	Outline	Grading
1 hour 45 minutes written exam	Paper 1: Listening, reading and writing	45%	2 hours 30 minutes written exam	Paper 1: Listening, reading and writing	50%
1 hour 30 minutes written exam	Paper 2: Writing (literary text or film)	25%	2 hours written exam	Paper 2: Writing (literary texts and/or film)	20%
12-14 minutes oral exam	Paper 3: Discussion on 2 sub themes	30%	21-23 minutes oral exam	Paper 3: Discussion on a sub theme Presentation and discussion about the student's chosen research project	30%

Career/Higher Education	Entry Requirements
University courses Translating and Interpreting Business Management Careers in Travel and Tourism sectors Law Teaching	Grade 5 or above in GCSE French

*If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language, that goes to his heart." **Nelson Mandela***

# A Level Further Mathematics

**Examination Board:** EDEXCEL

**Contact Teacher:** Mrs Nevison



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## Course Details and Assessment

The A Level Further Mathematics course requires the study of A Level Mathematics. It broadens the areas of study in not only pure mathematics but also allows for a greater breadth of study in applied areas including decision mathematics. Pure mathematics content covers important areas such as matrices and complex numbers that are essential in further mathematical study, engineering and physics. It requires greater problem solving skills and is a highly regarded A Level.

**The course will cover the following key mathematical topic areas:**

Year 1	Year 2
Complex numbers Matrices Further vectors Proof Further calculus Further algebra and functions  Choice of two from Statistics, Mechanics and Decision units	Polar coordinates Hyperbolic functions Differential equations  Choice of two from Statistics, Mechanics, Decision and Further Pure units

**The course is assessed in the following way:**

A Level		
Assessment	Outline	Weighting
Paper 1 1.5 hours	Core Pure Mathematics 1	25%
Paper 2 1.5 hours	Core Pure Mathematics 2	25%
Paper 3 1.5 hours	Further Mathematics Option 1	25%
Paper 4 1.5 hours	Further Mathematics Option 2	25%

Career/Higher Education	Entry Requirements
Mathematics related university courses Physics, Engineering, Actuary, Accountancy, Economics, Medicine, Architecture, Computing	Grade 7 or above at GCSE Mathematics

*"It's not that I am so smart; it is just I stay with problems longer."* **Albert Einstein**

# A Level Geography

**Examination Board:** OCR

**Contact Teacher:** Mr Parry



## Course Details and Assessment

A Level Geography examines the relationship between people and their environment from scientific, political, economic and social perspectives. It is an excellent choice for developing skills including IT, research, analysis, evaluation and decision-making; all vital preparation for Higher Education.

**The course will cover the following Geography topic areas:**

Year 1	Year 2
<ul style="list-style-type: none"><li>• Compulsory fieldwork to Snowdonia</li><li>• Human Geography: Changing Spaces Making places and Disease Dilemmas</li><li>• Physical Geography: Glaciated landscapes</li></ul>	<ul style="list-style-type: none"><li>• Compulsory fieldwork to Snowdonia</li><li>• Human Geography: Changing Spaces and making places, Disease Dilemmas and Global Connections</li><li>• Physical Geography: Glaciated landscapes, Earth's life support systems and Hazardous Earth</li><li>• Independent Investigation</li></ul>

**The course is assessed in the following way:**

A Level		
Assessment	Outline	Weighting
Physical Systems	1 hr 30 on Glaciated landscapes and Earth life support systems	22%
Human Interactions	1 hr 30 mins on Changing Spaces and making places and Global connections	22%
Geographical Debates	2 hr 30 minutes on Disease Dilemmas and Hazardous Earth	36%
Independent Investigation	4000 word report on own Geographical question.	20%

Career/Higher Education	Entry Requirements
Degrees in: Geography, Environmental Studies, Geology, Geophysics, Oceanography, Town & Country Planning, Marine Geography, Geography is a sort after subject for any career due to the variety of skills it provides	Grade 5 or above at GCSE Geography If no Geography GCSE, a Grade 5 or above in English and a Grade 5 in Science are required.

*"Geography drives us to explore. From the early expeditions to the South Pole to the first climb of Everest. Where it takes us next is up to you..."*



# A Level History

**Examination Board:** Edexcel

**Contact Teacher:** Mrs Durham



## Course Details and Assessment

This course focuses upon a wide range of British, European and world History. Running through all the units is the theme of conflict within a country and how it is met, managed and solved; by whom and for whom. In this way, students will be able to draw wider conclusions as to the nature of equality and governance in today's society.

**The course will cover the following areas:**

Year 1	Year 2
1. Britain, 1625–1701: conflict, revolution and settlement	3. Civil Rights and Race Relations in the USA 1850-2009
2. Russia in Revolution, 1894–1924	4. Germany in the 20 <sup>th</sup> Century

**The course is assessed in the following way:**

A Level		
Assessment	Outline	Weighting
Unit 1	2 hr 15: Sections A and B comprise a choice of essays that assess understanding of the period in breadth (AO1). Section C comprises one compulsory question that assesses the ability to analyse and evaluate historical interpretations (AO3).	30%
Unit 2	1 hr 30: Section A comprises one compulsory question for the option studied, based on two sources. It assesses source analysis and evaluation skills (AO2). Section B comprises a choice of essays that assess understanding of the period in depth (AO1).	20%
Unit 3	2 hr 15: Section A comprises one compulsory question for the option studied, assessing source analysis and evaluation skills (AO2). Section B comprises a choice of essays that assess understanding of the period in depth (AO1). Section C comprises a choice of essays that assess understanding of the period in breadth (AO1).	30%
Unit 4	4000 word investigation focusing upon a topic of contention for historians regarding an aspect of history they choose (usually Germany in the 20 <sup>th</sup> Century).	20%

Career/Higher Education	Entry Requirements
History is widely considered an excellent choice at GCE – particularly by Russell Group universities. This is due to its development of skills such as research, explanation and analysis; and the emphasis placed upon developing, arguing and writing in an extended manner. Career choices are diverse as many people choose to take the skills if not the knowledge and enter fields such as business, law, government, education and academia.	Grade 5 in GCSE History (or Grade 5 in both English Language and English Literature if History has not been taken at GCSE)

*"The more you know about the past, the better prepared you are for the future."*

**Theodore Roosevelt**

# Cambridge Level 3 Technical Extended Certificate in IT

**Examination Board:** OCR

**Contact Teacher:** Miss Parsons

## Course Details and Assessment

The Cambridge Technical course in IT aims to develop students' knowledge, understanding and skills of the essentials of IT and Cyber Security. Students will gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure on a global scale, and the importance of legal and security considerations. The course is an exciting combination of Computer Science and IT and allows students who have an interest in the subject to continue to develop their knowledge.

**The course will cover the following IT topic areas:**

Year 1	Year 2
Fundamentals of IT <ul style="list-style-type: none"> <li>• Computer Components</li> <li>• Computer Systems</li> <li>• Number Systems</li> <li>• Software</li> </ul> Global Information <ul style="list-style-type: none"> <li>• Types of Information</li> <li>• WWW Technology</li> <li>• Risks and Impacts of Technology</li> </ul>	Cyber Security <ul style="list-style-type: none"> <li>• Cyber Attacks</li> <li>• Responding to Cyber Attacks</li> </ul> Project Management <ul style="list-style-type: none"> <li>• Project Lifecycle</li> <li>• Planning and Executing Projects</li> </ul> Internet of Everything <ul style="list-style-type: none"> <li>• Global Impact</li> <li>• How People Connect Globally</li> </ul>

**The course is assessed in the following way:**

Year 1			Year 2		
Assessment	Outline	Weighting	Assessment	Outline	Weighting
Unit 1 Exam	1hr 30mins Written Paper	22.3%	Unit 3 Exam	1hr Written Exam	22.3%
Unit 2 Exam	1hr 30mins Written Paper	22.3%	Unit 8	Internal Assignment	16.3%
			Unit 17	Internal Assignment	16.3%

Career/Higher Education	Entry Requirements
University courses Apprenticeship Technician	Merit or above in IT qualification. Grade 4 in GCSE English Language and Maths.

*"The number one benefit of information technology is that it empowers people to do what they want to do. It lets people be creative. It lets people be productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential."*

**Steve Ballmer - Microsoft**

# A Level Mathematics

Examination Board: EDEXCEL

Contact Teacher: Mrs Nevison



## Course Details and Assessment

The A Level Mathematics course has a strong focus on combining pure and applied mathematical skills. These components of the course are externally assessed at the end of the final year with three two hour exams. The course will cover pure mathematics, statistics and mechanics.

The course will cover the following key mathematical topic areas:

A Level	
Pure: Algebraic manipulation and proof Functions Differentiation Integration Trigonometry Vectors Exponentials and logarithms Co-ordinate geometry Sequences and Series Numerical methods	Applied: Statistical sampling Probability Kinematics Newton's laws Moments

The course is assessed in the following way:

Students who wish to achieve qualifications in Mathematics must complete the assessments listed below in the final year of study i.e. 2 exams at the end of year 1 for AS Level or 3 exams at the end of year 2 for A Level:

A Level		
Assessment	Outline	Weighting
Paper 1 2 hours	Pure mathematics	33.33%
Paper 2 2 hours	Pure mathematics	33.33%
Paper 3 2 hours	Applied: Statistics and Mechanics	33.33%

Career/Higher Education	Entry Requirements
Mathematics related university courses Physics, Engineering, Actuary Accountancy, Economics, Medicine Social science, Geography, Geology Architecture, Computing .	Grade 7 or above at GCSE Mathematics, high Grade 6 will be considered.

*"Pure mathematics is, in its way, the poetry of logical ideas." Albert Einstein*

# Cambridge Technical Extended Certificate - Level 3

## Performing Arts (Acting/Dance/Music)

**Examination Board:** OCR

**Contact Teacher:** Mr Burt/Mrs Mitchell



### Course Details and Assessment

The Performing Arts course allows students to specialise in their chosen art form (acting/dance/music) and can be completed as a single qualification (Extended certificate equivalent to 1 A Level) or a double qualification (Diploma equivalent to 2 A Levels).

It is an exciting qualification that allows students to specialise in a discipline whilst working collaboratively with other artists. This qualification is also known as a CTEC and is a vocational course; designed with the workplace in mind providing a high quality, but more practical alternative to A Levels.

There are no traditional written exams for the extended certificate course (single) and one for the Diploma Course (double). The externally examined units comprise practical performances with written assignments to support them.

**The table below shows the units required to complete the Extended Certificate. Students studying for the Diploma complete the same elements plus a number of other optional units. Please ask as there are many options.**

Mandatory Units			Pick one optional unit (17%)
Unit	Assessed	Weighting	Current issues in PA Improvisation Health and fitness for performance Performing repertoire
Prepare to work in the PA sector	Externally	33%	
Proposal for a commissioning brief	Externally	17%	
Influential performance practice	External	17%	
Combined arts	Internally	17%	

Career/Higher Education	Entry Requirements
University courses Professional performer Arts Education work	Grade 4 or above in GCSE Music, GCSE Drama Extra-curricular certificates in dance, drama or music.

*"The Arts are not just a nice thing to have or to do if there is free time or if one can afford it. Rather, paintings and poetry, music and fashion, design and dialogue, they all define who we are as a people and provide an account of our history for the next generation."*

**Michelle Obama**

# A Level Philosophy & Ethics

Examination Board: OCR

Contact Teacher: Mrs Kelly



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## Course Details and Assessment

This course is highly regarded by universities because of the mature levels of thinking required.

If you enjoy debating, discussion, thinking analytically and reading then this is a course you will enjoy. If you are intrigued by the ultimate questions such as “Why are we here?”, “What happens after death?”, “What evidence is there for a God?” and “What is the meaning of good/bad?” Then you will succeed in this course. This course complements English, History, Sociology, Maths and Psychology.

**The course will cover the following topic areas:**

Year 1	Year 2
<p><b>Philosophy:</b> Ancient Philosophical influences, arguments about the existence or non-existence of God, the nature and impact of religious experience, the challenge for religious beliefs of the problem of evil, the nature of the soul, mind and body, the possibility of life after death.</p> <p><b>Ethics:</b> Normative ethical theories, the application of ethical theory to two contemporary issues of importance, ethical language and thought.</p> <p><b>Developments in Christian Thought:</b> Religious beliefs, values and teachings, their interconnections and how they vary historically and in the contemporary world; sources of religious wisdom and authority; practices which shape and express religious identity and how these vary within a tradition.</p>	<p><b>Philosophy:</b> Ideas about the nature of God, issues in Religious Language.</p> <p><b>Ethics:</b> Debates surrounding the significant ideas of conscience and freewill. Ethical Language and applied Sexual Ethics.</p> <p><b>Developments in Christian Thought:</b> Significant social and historical developments in theology and religious thought; key themes related to the relationship between religion and society.</p>

**The course is assessed in the following way:**

A Level
There will be 3 exams lasting 2 hours each and worth 120 marks each. They are worth 33% each of the A Level total grade. The exams are in Philosophy of Religion, Religion and Ethics, Developments in Christian Thought.

Career/Higher Education	Entry Requirements
This course is highly regarded by Universities because of the mature levels of thinking required. The skills developed could be particularly useful for careers in law, education, social work, politics, medicine, administration or the media.	Grade 5 or above in a Humanities subject or Grade 5 or above in English.

*“We are what we repeatedly do. Excellence, then, is not an act, but a habit.”*

**Aristotle**

# A Level Photography

**Examination Board:** AQA

**Contact Teacher:** Mrs Lesniowska/Ms Bennett

## Course Details and Assessment

The A Level photography course encourages students to experiment with a wide range of photographic media, techniques and processes in an expressive, creative and imaginative way.

The A level takes on the form of a Personal Investigation. Students develop practical work which is linked through the exploration of particular themes, concepts, ideas, issues or approaches. Students are actively encouraged to work in one or more area(s) of photography. They may explore, overlap and combine processes and techniques. Supporting their practical work, students produce a written investigation (between 1000 – 3000 words) relating to it. The externally set assignment allows students to select one starting point and put together a portfolio of work based around a theme working in one or more areas of analogue and /or digital photography.

### The course will cover the following areas:

Year 1	Year 2
Experimenting and developing an understanding of techniques and processes in analogue and digital photography.  Analogue: Solargrams, projectograms, photograms, photo graffiti, photo stencils, taking / processing and developing 35mm films and producing prints, double exposure and sandwich prints.  Digital: Contrast, hue and saturation, colour popping, layering, photomontage.	A Personal Investigation Exploring and experimenting with a wide range of both analogue and digital processes to express their ideas on their chosen theme.  A written piece of work (1000 - 3000 words) to support their practical work. Study the work of a wide variety of photographers.  Externally set assignment Explore their chosen starting point working in one or more areas of analogue and/or digital photography. With the combination of these to be connected in some way to that of photographers and artists.

### The course is assessed in the following way:

A Level		
Assessment	Outline	Weighting
Component 1	Unlimited	60%
Component 2 Externally set assignment	15 hours supervised time	40%

Career/Higher Education	Entry Requirements
University courses: Graphics, Advertising, Web Designers, Architecture, Animation, Photo journalism, Tourism photographer, PA/Marketing, Shoot producer, Freelance photographer, Photographic studio Intern, Product photographer etc.	Grade 4 or above at GCSE Photography or Art.  Grade 4 or above in English desirable.

*“Photography is more than a medium for factual communication of ideas. It is a creative art”. Ansel Adams*



# A Level Physics

Examination Board: OCR

Contact Teacher: Ms West

## Course Details and Assessment

The A Level Physics course has a strong focus on problem solving and practical skills. Over the course, pupils will cover a diverse range of content - from classical mechanics to quantum theory - and investigate how these are applied to areas of science such as cosmology and medical physics. Through investigative work pupils will develop a deep understanding of key principles and apply this to new contexts.

**The course will cover the following topic areas:**

Year 1/2
1 - Development of practical skills in physics
2 - Foundations in physics
3 - Forces and Motion
4 - Electrons, waves and photons
5 - Newtonian world and astrophysics
6 - Particles and medical physics

**The course is assessed in the following way:**

A Level		
Assessment	Outline	Weighting
2 hours 15 minutes written paper	Modelling physics (01) (assesses modules 1,2,3 and 5)	37%
2 hours 15 minutes written paper	Exploring physics (02) (assesses modules 1,2,4 and 6)	37%
1 hour 30 minutes written paper	Unified physics (03) (assesses modules 1 to 6)	26%
Non-exam assessment	Practical endorsement in physics (04) (Ongoing portfolio of experimental techniques)	pass or fail

Career/Higher Education	Entry Requirements
Physics Mathematics Engineering Astrophysics Particle physics Chemical engineering Biomedical engineering Radiography Optometry ... and many, many more.	If Trilogy science was studied at GCSE: <ul style="list-style-type: none"><li>A grade 6-6 in Science, including Physics units at 6 or above</li></ul> If separate sciences were studied at GCSE: <ul style="list-style-type: none"><li>A grade 6 in Physics</li><li>A grade 6 in either Biology or Chemistry</li></ul> A grade 6 in Mathematics is preferable, a grade 5 essential. A Grade 6 or above in English would be an advantage.

*"Not only is the Universe stranger than we think, it is stranger than we can think."*  
**Werner Heisenberg**

# A Level Psychology

Examination Board: AQA

Contact Teacher: Mrs West



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## Course Details and Assessment

Psychology is the study of people and their behaviours. We encourage students to investigate how we think, act, react and interact with our environment in different situations.

We have been analysing behaviour and the mind since the day we were born. This Social Science subject encompasses the biological influences, social pressures and environmental factors that affect our behaviours.

The course is 100% examination and covers a wide range of content over the 2 year A Level course.

### The course will cover the following topic areas:

A Level
<b>Paper 1</b> <ol style="list-style-type: none"><li>1. Memory - models of memory, forgetting and eye witness testimony.</li><li>2. Social Influence – conformity, obedience, minority influence and social change.</li><li>3. Attachments – types of attachments, cross cultural studies on attachments, effects of deprivation and institutionalisation, effects of attachment on later life.</li><li>4. Psychopathology – defining abnormality, explanations and treatments for phobias, depression and OCD</li></ol>
<b>Paper 2</b> <ol style="list-style-type: none"><li>1. Approaches to Psychology – Behaviourism, Social Learning Theory, Cognitive, Psychodynamic, Humanistic and Biological.</li><li>2. Biopsychology – Genetics, localisation and lateralisation of brain function, brain plasticity and biological rhythms.</li><li>3. Research Methods – experimental and non-experimental methods, ethics and descriptive and inferential statistics.</li></ol>
<b>Paper 3</b> <ol style="list-style-type: none"><li>1. Issues and Debates in Psychology – nature V nurture, free will V determinism, culture and gender bias, idiographic V nomothetic and ethical implications.</li><li>2. Relationships – evolutionary explanations of attraction, theories of relationship formation and breakdown, parasocial relationships and virtual relationships.</li><li>3. Schizophrenia – classification, diagnosis, explanations and treatments</li><li>4. Forensic Psychology – offender profiling and explanations for this, dealing with offending behaviour.</li></ol>

Career/Higher Education	Entry Requirements
Psychology is highly regarded by many universities for its development of skills and the insight given to human behaviour. Due to its scientific focus, it is seen by many universities as an acceptable science A-Level. This is an excellent grounding for a range of Social Science degrees and careers.	Grade 5 in English Language and Maths, also a Grade 5 in Science and a Grade 5 in a Humanities subject at GCSE.

*“We are what we are because we have been what we’ve been, and what is needed is for solving problems of human life is not moral estimates but more knowledge.”*

**Sigmund Freud**

# A Level Sociology

**Examination Board:** AQA

**Contact Teacher:** Mrs Durham



## Course Details and Assessment

Sociology is the study of human social relationships and institutions, the consideration of what actually is society, and how and why it is the structure it is. Sociology's units are diverse, ranging from crime to religion, from the family to the state, from the divisions of race and social class to the shared beliefs of a common culture, and from social stability to radical change in whole societies.

**The course will cover the following areas:**

Year 1	Year 2
The course covers not only the skills needed to research Sociology but also the influence of two key functions within society - education and the family.	The course at year 2 builds upon the first year of study, developing further the research and evaluation skills. It also considers two new aspects of society - the role of belief within society and the impact of crime and deviance upon society.

**The course is assessed in the following way:**

A Level
Assessed across 3 papers of equal weighting (33.3%). Each exam is 2 hours.
Paper 1: Education with Theory and Methods - A mixture of short and extended answers considering both knowledge of Education unit and the skills of Sociologists.
Paper 2: Topics in Sociology - Extended written answers on both the Families unit and the Beliefs in Society unit.
Paper 3: Crime and Deviance with Theory and Methods - A mixture of short and extended answers considering both knowledge of Crime and Deviance unit and the skills of Sociologists.

Career/Higher Education	Entry Requirements
Sociology is highly regarded by many universities for its development of skills and the insight given to the function and role of aspects within society. This is an excellent grounding for a range of social science degrees, careers in public service and education.	Grade 5 in English Language for written communication skills, and a grade 5 in any Humanities subject at GCSE.

*"Whatever Sociology may be, it is the result of constantly asking the question, what is the meaning of this?"*  
**C Wright Mills**

# Cambridge Level 3 Technical Extended Certificate in Sport & Physical Activity

Examination Board: OCR

Contact Teacher: Mr Ferguson



## Course Details and Assessment

The OCR course 'extended certificate' in sport and physical activity is a practical and engaging course which will allow all learners to achieve their potential. It focuses on developing theoretical knowledge and understanding of the factors that underpin physical activity and sports science. It requires learners to understand how physiological and psychological factors affect performance, with a significant element of course based upon sports leadership and coaching. This course is perfect for students who wish to prepare for employment in the sport and physical activity sector, or move onto a sport based degree at university.

**The course will cover the following topic areas:**

### Full Course overview

Students will complete 5 units over the duration of the course. Some units are externally assessed by OCR in the form of an exam, while other units are completed by students in the form of a written assignment which is then internally assessed by school staff and then moderated by the exam board. Students will complete 360 guided learning hours over the duration of the two-year course, and will finish with the equivalent of one full GCE A level.

**The course is assessed in the following way:**

Unit titles	How are they assessed
Body Systems and the Effects of physical Activity	External exam in June of the first year
Sports Coaching and Activity Leadership	Assignment/ Practical based tasks
Sports Organisation and Development	External exam in January of the second year
Practical Skills in Sport and Physical Activities	Assignment/ Practical based tasks
Sport and Exercise Psychology	Assignment/ Practical based tasks

Career/Higher Education	Entry Requirements
University courses: Sports Science/ coaching/ psychology/ sociology. Careers could include: physiotherapy/ coaching/ leadership/ governing bodies/ teaching.	Merit 2 at Sports Science in Year 11 (or equivalent GCSE mark). Grade 4 (or equivalent) in English and Science. An enthusiasm and love of physical activity and sport in general.

*"The power of the human will to compete and the drive to excel beyond the body's normal capabilities is most beautifully demonstrated in the arena of sport."*

**Aimee Mullins**

# Cambridge Level 3 Technical Diploma in Sport & Physical Activity

Examination Board: OCR

Contact Teacher: Mr Ferguson



## Course Details and Assessment

The Diploma in Sports Coaching is an extension of our 'extended certificate'. It is worth the equivalent to two full A levels and the same equivalent of UCAS points. Students who opt for the Diploma, will also complete the same units as those students who have opted for the 'extended certificate'. As well as completing the same units on the 'extended certificate', students will also focus on performance profiling of athletes, how to safely organise and run a sporting event, and how to coach and train specific target groups for an activity of their choice. In year 2, students will look at health and fitness testing and sporting injuries. This course is perfect for students who wish to focus on sport and practical activities as it will fill two options blocks on their timetable

### The course will cover the following topic areas:

#### Full Course overview

Students will complete 10 units over the duration of the course. Some units are externally assessed by OCR in the form of an exam, while other units are completed by students in the form of a written assignment-based task or practical task, which are then internally assessed by KGA staff and then moderated by the exam board. Students will complete 720 guided learning hours over the duration of the two-year course, and will finish with the equivalent of two full GCE A levels.

### The course is assessed in the following way:

Unit titles	How are they assessed
Body Systems and the Effects of physical Activity	External exam in June of the first year
Sports Coaching and Activity Leadership	Assignment/ Practical based tasks
Sports Organisation and Development	External exam in January of the second year
Working safely in Sport	External exam in January of the second year
Performance analysis	Assignment/ Practical based tasks
Organisation of Sports events	Assignment/ Practical based tasks
Physical Activity for specific groups	Assignment/ Practical based tasks
Health and Fitness testing	Assignment/ Practical based tasks
Sports injuries	Assignment/ Practical based tasks
Practical Skills in Sport and Physical Activities	Assignment/ Practical based tasks
Sport and Exercise Psychology	Assignment/ Practical based tasks

Career/Higher Education	Entry Requirements
University courses: Sports Science/ coaching/ psychology/ sociology. Careers could include: physiotherapy/ coaching/ leadership/ governing bodies/ teaching.	Merit 2 at Sports Science in Year 11 (or equivalent GCSE Grade 4). Grade 4 (or equivalent) in English and Science. An enthusiasm and love of physical activity and sport in general.

*"Easy is not an option. No days off. Never quit. Be fearless. Talent you have naturally. Skill is only developed by hours and hours of work"*

*Usain Bolt*

# BTEC National Extended Certificate Level 3 in Travel and Tourism



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Examination Board: Pearsons

Contact Teacher: Miss Todd

## Course Details and Assessment

The Pearson BTEC National Extended Certificate in Travel and Tourism is designed for post-16 learners with an interest in travel and tourism who want to continue their education through applied learning, and who aim to progress to higher education. This qualification gives a broad introduction to the travel and tourism industry, with an emphasis on core knowledge and fundamental skills that are transferable across other sectors. You will have to complete a range of units, be organised, take some assessments that will be set and marked and keep a portfolio of your assignments. The qualification is comprised of four units. As shown in the table below three of the units are mandatory and one is an optional unit from a choice of two topic areas. Two of the units are externally assessed (Comprising 58% of the course). The other two units are internally assessed (Comprising 42% of the course).

## Content

The three mandatory units cover the following content areas:

- The travel and tourism industry – the travel and tourism industry in the UK is growing and is of major importance to the economy.
- Different types of destinations and their importance – learners will investigate the features and appeal of global destinations.
- Principles of marketing in travel and tourism – learners will explore how to develop a successful marketing plan for use by travel and tourism organisations to attract and engage with customers using research data.

The course is assessed in the following way:

Content				
Mandatory units				
Unit title	Guided learning hours	Percentage	Externally assessed	Internally assessed
The world of Travel and Tourism	90	25%	Yes	
Global destinations	120	33%	Yes	
Principles of marketing in Travel and Tourism	90	25%		Yes
Visitor attractions	60	17%		Yes

Career/Higher Education	Entry Requirements
The course prepares you either to work within the industry or to progress to higher education. The travel and tourism industry is worldwide and can offer excellent opportunities for travel and work across the globe.	Grade 4 or above in English Language. Grade 4 or above in a Humanities subject (ideally Geography) Grade 4 or above in Maths.

*"Tourism is important because **it can create sustainable local economies**. I'd much rather have 1,000 tourists going up the Tambopata than 1,000 gold miners."*

Frans Lancing





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# Core Options

# Extended Project Qualification Level 3 (EPQ)

**Examination Board:** Edexcel

**Contact Teacher:** Ms Wood



## Course Details and Assessment

With Extended Project, you get a say in what you want to study. With the support of Ms Wood you choose a topic to explore in-depth – usually one that interests you, which you might like to study in Higher Education, or pursue as a career. The EPQ has no exams, just coursework, so if you're self-motivated and enjoy working independently - whether in a practical way, like designing or performing, or researching, investigating and writing - then EPQ is for you. You will learn more about something that interests you and investigate a controversial topic whilst you expand your knowledge and gain practical skills that will help you in Higher Education and the workplace.

**The course allows you to complete a project in four ways:**

Dissertation	Artefact (sculpture/model/DVD)
Examples: Can you believe in God and the Big Bang? Should children be forced to exercise?	Examples: Jewellery made from recycled materials A model of a church created using Computer Aided Design
Investigation/Field Study	Performance (sport/drama/music)
Examples: Is Wi-Fi safe? Do violent computer games contribute to anti-social behaviour?	Examples: The role of comedy in serious culture Is music effective in motivating workers?

**The course is assessed in the following way:**

Year 1/2	
Assessment	
Project management, final project and presentation of final work. This course is equivalent to an AS level.	
Grade	UCAS points
A*	24
A	20
B	16
C	12
D	10
E	6

Career/Higher Education	Entry Requirements
Subject related university courses as well as level four apprenticeships Research skills Independent learning	A grade 5 at GCSE English Language and Literature and maths would be an advantage

*"Research is creating new knowledge." Neil Armstrong*

# Gold Duke of Edinburgh Award

**Examination Board:** N/A

**Contact Teacher:** Mr Parry



## Course Details and Assessment

The Gold Duke of Edinburgh Award is often referred to as the Golden A Level.

The award is an opportunity for you to stand out from other University and job applicants by demonstrating a commitment to supporting others and also developing your own personal skills.

You do not need to have completed the Bronze or Silver award to undertake Gold. The Gold award consists of completing 5 different areas; Expedition, Volunteering, Skill, Physical and a Residential. Universities and business rate the Gold award as one of the most important additions to a student's CV.

There is no exam for the award but an assessed expedition is undertaken at the end of Year 13. The key training elements are delivered in a one hour lesson every fortnight.

### The award covers 5 distinct areas:

Volunteering	Physical
This involves supporting a community organisation or individual, which can take place in or out of school	Developing your own physical wellbeing through personal fitness.
Skill	Residential
Developing skills, such as learning to drive, cooking etc.	Undertaking a 5 day 4 night residential which gives an opportunity to develop your skill set in a variety of areas.
Expedition	
The expedition phase consists of a practice expedition in Year 12 and an assessed expedition in Year 13. These take place after the exams and are normally in the mountains of Southern Wales. The expedition is over 4 days and involves students planning and navigating the expedition with limited support from staff.	

*"In the end we only regret the chances we didn't take." Lewis Carroll*

# Level 3 Certificate in Mathematical Studies (Core Maths)

Examination Board: AQA

Contact Teacher: Mr Darton



## Course Details and Assessment

This is a 2 year course that leads to a Level 3 qualification equivalent to an AS level. Core Maths has been designed to maintain and develop real-life mathematical skills. What students study is not purely theoretical or abstract; it can be applied on a day-to-day basis, whether in work, study or life. It includes a financial mathematics element as well as statistics and analysis. It should support other A level subjects, in particular with science, geography, business studies, economics and psychology.

**The course will cover the following key mathematical topic areas:**

Level 3 Course compulsory	Optional depending on unit chosen (2A/2B/2C)
Analysis of data Maths for personal finance Estimation Critical analysis of data (including spreadsheets)	Normal distribution (2A) Probabilities and estimation (2A) Correlation and regression (2A) Critical path and risk analysis (2B) Expectation (2B) Cost benefit analysis (2B) Graphical methods (2C) Rates of change (2C) Exponential functions (2C)

**The course is assessed in the following way at the end of Year 2:**

Level 3 certificate		
Assessment	Outline	Weighting
Paper 1 1 hour 30	Compulsory	50%
Paper 2 1 hour 30	2A: Statistical techniques OR 2B: Critical path and risk analysis OR 2C: Graphical techniques	50%

Career/Higher Education	Entry Requirements
Maths/Science related university courses as well as workplace problem solving.	Grade 4 or above at GCSE Mathematics

*"If people do not believe that mathematics is simple, it is only because they do not realise how complicated life is."*

**John von Neumann**