

Tamworth Sixth Form Course Booklet 2019/20



LANDAU
FORTE
ACADEMY
TAMWORTH
SIXTH FORM

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A Level Courses

A Level Biology

Introduction	If you look from space at the Earth, you'll notice that the planet looks blue and green. Green is the colour of the rash of plants that cover the surface of our world. Organisms, through their actions, have shaped the history and surface of our planet. Biology changes climates and alters atmospheric gases. Our understanding of the secrets of life is opening up the potential of this force to shape our world. From improvements in medicine to greater agricultural yields, to understanding our impact on climate, Biology is the study of a subject that is shaping the world.
Aims of course	Edexcel A-level Biology is designed to stimulate and deepen your interest in the world of biology. Through learning about biological principles and processes, you will appreciate how biologists approach problems and provide solutions with efficacy. A-level Biology will develop the essential skills of investigating a problem with the aim of generating reliable evidence from which valid conclusions can be drawn.
Programme of Study	During the course, you will develop your knowledge and understanding of wide range of chemical concepts.
A2 outline	<p>In the first year of the course, you will explore a range of biology from Human Health to Cellular Biology to Conserving Biodiversity. The second year of the course covers the fundamental biochemistry of respiration and photosynthesis, as well as genetics, forensics and mammalian physiology. Content is up-to-date and challenges you with the latest ideas and problems facing modern biologists.</p> <p>Topic 1 Lifestyle, Health and Risk Topic 2 Genes and Health Topic 3 Voice of the Genome Topic 4 Biodiversity and natural Resources Topic 5 On the Wild Side Topic 6 Immunity, Infection and Forensics Topic 7 Run for your Life Topic 8 Grey Matter</p> <p>The course is assessed by three external examinations. Students will also develop practical skills by undertaking a minimum of eighteen practical assessments.</p>
Who is course aimed at?	This course suits students who have studied Core Science and Additional Science at GCSE, or have studied the sciences as separate subjects (Biology, Chemistry and Physics) at GCSE. They need to be confident in their practical abilities as well as being interested in how science is used by society. Strong mathematical and writing skills are also essential for succeeding on the course as 10% of the marks are allocated to mathematical skills.
Course Requirement	Grade 5 or above in double award Science (or GCSE Biology) at least a grade 5 in Maths & English Language is required
Examination Board	Edexcel

A Level Business Studies

Introduction	Business Studies is based on real-life situations and you will be given the opportunity to develop and understand the analytical and evaluative skills required to recognise and solve business problems. It is a fascinating subject that covers areas like brand loyalty, maximising profits, leadership and running your own business.	
Aims of course	<ul style="list-style-type: none"> • Develop an enthusiasm for studying business. • Gain a holistic understanding of business. • Develop a critical understanding of organisations and their ability to meet society's needs and wants. • Understand that business behaviour can be studied from a range of perspectives. • Generate enterprising and creative solutions to business problems and issues. • Be aware of the ethical dilemmas and responsibilities faced by organisations and individuals. • Acquire a range of relevant business and generic skills, including decision making, problem solving, challenging assumptions and quantifying and managing information. 	
Programme of Study	This course allows you to develop your knowledge and understanding of key business theories and concepts. In addition, you will develop your skills of analysis and evaluation, which will equip you for your examinations at the end of your chosen course.	
A Level Outline	<ul style="list-style-type: none"> • Business objectives and strategic decisions. • External influences facing businesses. • Marketing and marketing strategies. • Operational strategy • Human resources • Accounting and financial considerations • The global environment of business 	
A Level Assessment	Paper 1 Operating in a local business environment Paper 2 The UK Business Environment. Paper 3 The Global Business Environment	All papers are synoptic, 2 hours in duration, 80 marks and are 33% of the total A level
Who is course aimed at?	Students do not need a prior knowledge of Business Studies as the basics will be covered, but it would be an advantage. The course opens up a wide variety of options in Higher Education, including: Business, Economics, Accounting and Finance, Management, HR, International/ European Business, Law, Information Systems with Business. It also offers a credible route into employment and training.	
Course Requirement	Grade 5 or above in GCSE English and Mathematics	
Examination Board	OCR	

A Level Chemistry

Introduction	A level Chemistry requires and develops higher level thinking skills and excellent analytical competence and is therefore a good course for university entrance. It is essential for courses such as Medicine, Veterinary Science, Dentistry, Pharmacy, and of course, Chemistry. It is also desirable for many others.						
Aims of course	<ul style="list-style-type: none"> • Develop a wide range of problem solving skills. • Develop practical skills. • Enhance subject knowledge. • Enhance literacy and numeracy and develop visualisation skills. • Develop understanding of the science that underpins everyday life. • Develop a wide range of problem solving skills. 						
Programme of Study	During the course, you will develop your knowledge and understanding of a wide range of chemical concepts. You will apply this knowledge in three written examinations, as well as in a range of practical investigations.						
A Level Outline	The A Level consists of the study of Physical, Inorganic and Organic Chemistry topics. In Physical Chemistry, you will study atomic structure, bonding, energetics and kinetics along with chemical calculations. These are some of the building blocks of chemistry. In Inorganic Chemistry, you will learn how to explain, and predict, the patterns in properties and reactivity that occur through the periodic table and some of the reactions of certain groups. Organic Chemistry explores the world of carbon containing compounds, from simple molecules to the complex molecules of life.						
A Level Assessment	<p>The A-level is assessed with three examination papers at the end of the course:</p> <table> <tr> <td>Paper 1</td> <td>Relevant physical and inorganic chemistry</td> </tr> <tr> <td>Paper 2</td> <td>Relevant physical and organic chemistry</td> </tr> <tr> <td>Paper 3</td> <td>All course content</td> </tr> </table>	Paper 1	Relevant physical and inorganic chemistry	Paper 2	Relevant physical and organic chemistry	Paper 3	All course content
Paper 1	Relevant physical and inorganic chemistry						
Paper 2	Relevant physical and organic chemistry						
Paper 3	All course content						
Who is course aimed at?	This course suits students who have studied Science and Additional Science, or have studied the sciences as separate subjects (Biology, Chemistry and Physics) at GCSE. You need to be confident in your practical abilities as well as being prepared to work hard. Strong mathematical and writing skills are also essential for succeeding on the course.						
Course Requirement	Grade 5 or above in double award Science (or GCSE Chemistry) at least a grade 5 in Maths & English Language is required.						
Examination Board	AQA						

A Level Computer Science

Aims of course	This course is a two-year linear qualification, meaning that the students will sit both exams at the end of Year 13. There is a clear distinction between this specification and ICT. It has been written to avoid any overlap of subject content. Students following this specification do not need to have any prior knowledge of Computing or ICT. This course, with its emphasis on abstract thinking, general problem solving, algorithmic and mathematical reasoning, scientific and engineering-based thinking, is a good foundation for further study.
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Course requirements	Minimum Grade 5 in Mathematics.
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Course Breakdown

Section One (40%) On-screen exam (2 hr 30 min)	Section Two (40%) Written exam (2 hr 30 min)	Coursework Project (20%)
<ul style="list-style-type: none"> ▪ Fundamentals of programming 	<ul style="list-style-type: none"> ▪ Fundamentals of data representation 	<ul style="list-style-type: none"> ▪ The student creates a software application to solve a real-world problem
<ul style="list-style-type: none"> ▪ Fundamentals of data structures 	<ul style="list-style-type: none"> ▪ Fundamentals of computer systems 	
<ul style="list-style-type: none"> ▪ Software development 	<ul style="list-style-type: none"> ▪ Consequences of uses of computing 	
<ul style="list-style-type: none"> ▪ Theory of computation 	<ul style="list-style-type: none"> ▪ Fundamentals of computer organisation and architecture 	
	<ul style="list-style-type: none"> ▪ Fundamentals of communication and networking 	
	<ul style="list-style-type: none"> ▪ Fundamentals of databases 	
	<ul style="list-style-type: none"> ▪ Big Data 	
	<ul style="list-style-type: none"> ▪ Fundamentals of functional programming 	

Careers in Computer Science include	Computer Programmer ♦ Machine Learning Engineer ♦ CAD Designer ♦ Games Developer ♦ Legoland Designer ♦ Clothes Designer ♦ Tumblr Product Manager ♦ Software Developer ♦ Software Architect ♦ Secondary School Teacher ♦ Technical Author ♦ MI5, MI6 and GCHQ ♦ Assistant Producer for Software Design ♦ Digital Media Trainee ♦ Digital Marketing
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Computer Science related University courses include	BSc Computer Science ♦ BSc Games Programming ♦ BSc Creative Technology ♦ BSc Computing with Electrical Engineering
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Examination Board	AQA
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A Level Economics

Introduction	Economics is an exciting and highly topical subject, particularly at the moment given the current economic climate. The subject is based on real-life situations and will give students the opportunity to develop their analytical and evaluative skills. It develops an understanding of economic concepts and theories through a critical consideration of current economic issues, problems and institutions as they are applied to everyday life and 'real-world' phenomena.						
Aims of the Course	<ul style="list-style-type: none"> • Develop an interest in, and enthusiasm for, the study of the subject. • Appreciate the contribution of economics to the understanding of the wider economic and social environment. • Develop an understanding of a range of concepts and an ability to use these concepts in a variety of different contexts. • Use an enquiring, critical and thoughtful approach to the study of economics and develop the ability to think as an economist. • Develop skills, qualities and attitudes that will equip them for the challenges, opportunities and responsibilities of adult and working life. • Develop an interest in, and enthusiasm for, the study of the subject. 						
Programme of Study	This course allows you to develop your knowledge and understanding of key economic theories and concepts. In addition, you will develop your skills of analysis and evaluation, which will equip you for your examinations at the end of your chosen course.						
A Level	<ul style="list-style-type: none"> • Microeconomic theory • Theoretical working of the free market • Imperfections and market failures 						
A Level Assessment	<table> <tr> <td>Paper 1</td> <td>Microeconomics</td> </tr> <tr> <td>Paper 2</td> <td>Macroeconomics</td> </tr> <tr> <td>Paper 3</td> <td>Themes in Economics</td> </tr> </table> <p>All papers are synoptic, 2 hours in duration, 80 marks and are 33.33% of the total A level.</p>	Paper 1	Microeconomics	Paper 2	Macroeconomics	Paper 3	Themes in Economics
Paper 1	Microeconomics						
Paper 2	Macroeconomics						
Paper 3	Themes in Economics						
Who is the course aimed at?	Economics is a versatile subject that can help you in a number of careers. Not only could you find yourself working for big corporations, banks or the government, but your qualification in Economics could also be valuable support in a career like marketing, law, journalism or teaching.						
Course Requirement	Grade 5 or above in GCSE English and Mathematics						
Examination Board	OCR						

A Level English Literature

Introduction	The study of English Literature is the study of life; literary texts hold a mirror to society and the relationships which exist; they provide a commentary on life and how people behave. Through exploring and analysing literature from across the ages we are able to gain an insight into different cultures and societies.
Aims of Course	<p>This course is designed to:</p> <ul style="list-style-type: none"> • Develop interest in and enjoyment of English Literature, through reading widely and through exploring an extensive range of views and interpretations about texts. • Encourage candidates to develop as informed, independent readers and critics of literary texts.
A2 Outline	<p><u>Unit 1: Love through the Ages</u></p> <ul style="list-style-type: none"> • The aim of the A2 course topic area is to encourage students to explore aspects of a central literary theme as seen over time, using unseen material and set texts. Students will read widely in the topic area, reading texts from a range of authors and times. Examples of types of love studied are: romantic love of many kinds; love and desire; love and loss; social conventions and taboos; love through the ages according to history and time; love through the ages according to individual lives; jealousy and guilt; truth and deception; proximity and distance; marriage; approval and disapproval. <p><u>Unit 2: Texts in Shared Contexts</u></p> <ul style="list-style-type: none"> • The aim of this topic area is to encourage students to explore aspects of literature connected through a period of time. • Students will be exploring literature in modern times (from 1945 to the present day). Students will explore aspects of modern times such as: wars and the legacy of wars; personal and social identity; changing morality and social structures; gender, class, race and ethnicity; political upheaval and change; resistance and rebellion; imperialism, post-imperialism and nationalism; engagement with the social, political, personal and literary issues which have helped to shape society in the specified era. <p><u>Non-exam assessment: Independent Critical Study: Texts across Time</u></p> <ul style="list-style-type: none"> • Students write a comparative critical study of two texts. The notion of autonomous personal reading and Texts across Time provides a challenging and wide-ranging opportunity for independent study. Students will be able to develop their own interests from their own wider and independent reading.
Who is course aimed at?	If you enjoy reading and discussing your opinion and interpretation of what you are reading, you will enjoy this course. Students of A-Level English Literature, who have developed keen skills in analysis and are able to weigh and consider the critical views of others, may follow careers in Law, Journalism and Teaching and Public Relations.
Course Requirement	Grade 5 or above in English Language and English Literature
Examination Board	AQA Specification A

A Level Fine Art

Introduction	<i>"Creativity is allowing yourself to make mistakes: Art is knowing which ones to keep!" - Scott Young 1957</i>
Aims of Course	The aim of the related study is to enable learners to develop their ability to communicate their knowledge and understanding of art historical movements, genres, practitioners and artworks, considering the way that these change and evolve within chronological and other frameworks.
Course Outline	<p>Learners must use an appropriate range of processes and techniques using traditional and / or digital media, appropriate to the chosen subject area, enabling research, exploration and the creation of the final outcome(s). Learners will build and evidence an understanding of:</p> <ul style="list-style-type: none"> • Relevant technologies, materials, processes and resources. • Continuity and change in different genres, styles and traditions relevant to Fine Art and the chosen areas of study within this specialism.. • How images and artefacts relate to the time and place in which they were made and to their social and cultural context.
Programme of Study	<p><u>Year 1: Component 01: Personal investigation (60%)</u></p> <p>Learners should produce two elements:</p> <p>(i) a portfolio of practical work showing their personal response to either a starting point, brief, scenario or stimulus, devised and provided by the learner or centre.</p> <p>(ii) a related study: an extended response of a guided minimum of one thousand words. This portfolio will consist of a number of projects aimed at increasing a learner's independence and originality by developing personal ideas and concepts, and exploring and developing skills in Fine Art disciplines.</p> <p><u>Year 2: Component 02: Externally set task (40%)</u></p> <p>The early release paper will be issued on 1 February and will provide learners with a number of themes, each with a range of written and visual starting points, briefs and stimuli. A creative and imaginative response should be based on one of these options.</p>
Who is course aimed at?	We are looking at students who have a real passion for the subject, who believe in Fine Art, and are committed to developing their knowledge and skills.
Course Requirement	GCSE Art grade 5 or above / BTEC Merit - Distinction and an aptitude for Art via a portfolio at interview.
Examination Board	OCR

A Level French

Introduction	To learn another language is, quite simply and profoundly, one of the best ways of learning to recognise the world and see how others inhabit it. It is an education in difference as a pathway to understanding how to contribute to integration and fellowship or global citizenship. (Michael Worton)
Aims of the Course	<ul style="list-style-type: none"> • Develop an interest in, and an enthusiasm for, language learning • Develop understanding of the language in a variety of contexts and genres • Communicate confidently, clearly and effectively in the language for a range of purposes • Develop awareness and understanding of the contemporary society, cultural background and heritage of countries or communities where the language is spoken.
A Level (Two Years) Outline	<p>At A Level, candidates will study Social Issues and Trends, Political and Artistic Culture and Grammar. The A Level will be assessed in the following way:</p> <p><u>Paper 1 Listening, Reading & Writing Examination 50% (2hr 30m)</u></p> <ul style="list-style-type: none"> • Aspects of French-speaking society: current trends • Aspects of French-speaking society: current issues • Artistic culture in the French-speaking world • Aspects of political life in the French-speaking world <p><u>Paper 2: Writing Examination 30% (2hr)</u></p> <ul style="list-style-type: none"> • One text and one film or two texts from the list set in the spec <p>Students will answer either one question in French on a set text and one question in French on a set film or two questions in French on set texts. All questions will require a critical appreciation of the concepts and issues covered in the work and a critical and analytical response to features such as the form and the technique of presentation, as appropriate to the work studied.</p> <p><u>Paper 3: Speaking Examination 30% (21-23 m, inc 5m prep time).</u></p> <p>Individual research project</p> <ul style="list-style-type: none"> • One of four sub-themes i.e. Aspects of French-speaking society: current trends, Aspects of French-speaking society: current issues, Artistic culture in the French-speaking world, Aspects of political life in the French-speaking world. • Students will discuss a sub-theme with the discussion based on a stimulus card followed by a presentation and discussion of individual research project.
Who is course aimed at?	Studying French at A Level is for students who are interested in studying aspects of French contemporary society, good at critical thinking, analysis, evaluating and presenting your points of view, and keen to speak and write in French with a high degree of fluency and accuracy.
Course Requirement	Grade 5 or above in French
Examination Board	AQA

A Level Further Mathematics

Introduction	Are you looking for a challenge? Have you generally found mathematics straightforward? Do you find solving complex problems enjoyable? If you are answering yes to these questions and are excited by the thought of studying harder, more conceptual areas of mathematics, then an A level in Further mathematics is the course for you.
Aims of course	A qualification in Further Mathematics involves studying a range of both pure and applied modules. The course involves an extension of the topics studied in the standard A level course as well as the opportunity to discover completely new areas of mathematics.
Programme of Study	The course enables you to follow a variety of mathematical topics. Please see the mathematics page for descriptors of the various fields of study.
A2 outline	This takes place at the end of the second year and is assessed in four examinations in Further Pure, Further Statistics, Further Mechanics & Decision Mathematics. Decision Maths focuses on problems involving optimisation – finding an efficient solution – and hence methods are applicable to many real world situations such as logistics, business and finance.
Who is course aimed at?	<p>The course is taken alongside A level mathematics and suits those who have enjoyed and excelled at GCSE mathematics. Students aiming to pursue Higher Education courses in mathematics, Physics, Engineering other degrees with a high level of mathematical content should seriously consider this course. Oxford and Cambridge and a few other very selective universities rarely accept students for degrees in mathematics or Physics without a Further mathematics qualification.</p> <p>Further Mathematics is commonly expressed as the most challenging A level offered in the UK, mainly as it is the only subject to currently offer an extra A level which furthers the study of a particular subject. As a result, it has considerable appeal to future employers.</p>
Course Requirement	Grade 7 or above in GCSE Maths. You must also be studying A-Level Mathematics.
Examination Board	Edexcel

A Level Geography

Introduction	Geography will interest you if you are keen to find out how you interact with the world in which you live. The problem-solving approach forms the basis of disciplined and balanced enquiry. You will be encouraged to make informed decisions and are made aware of the need to justify choices. This challenging course makes significant demands on you but will equip you with the skills necessary for success in higher education and the world of work.
Aims of Course	This course is designed to: <ul style="list-style-type: none"> • Ensure a natural progression from GCSE to A-level. • Develop fieldwork skills and study geographical issues and impacts. • Develop a specialist interest within the field of geography and progress to higher education and employment
Programme of Study	Unit 1: Landscape & Place (Coasts and Changing Spaces & Fieldwork). Unit 2: Geographical Debates (Hazardous Earth).
A2 Outline	<p>For the A Level course, candidates study a combination of elements from the units found in Year One as well as an additional two units that will investigate human and physical Geography in more detail as well as the interactions between them both:</p> <p>Unit 1: Physical Systems (Coasts and Earth Systems), this unit is worth 24% of the A Level course and is assessed via a 1 hour 45-minute written exam</p> <p>Unit 2: Human Interactions (Changing Spaces, Migration and Power and Borders), this unit is worth 24% of the A Level course and is assessed via a 1 hour 45-minute written exam</p> <p>Unit 3: Geographical Debates (Climate Change and Hazardous Earth), this unit is worth 32% of the A Level course and is assessed via a 2 hour 30-minute written exam</p> <p>Unit 4: Investigative Geography (An independent field study based on the Coasts topic) this unit is worth 20% of the A Level and is assessed via a 3000-4000-word piece of coursework</p>
Who is course aimed at?	If you specialise in Geography at higher education or use your Geography A Level as a stepping stone to study a Geography related subject at university, you could find yourself charting oil wells or exploring rock formations throughout the world. Geography is also about the interaction between people and our planet. This fascinating subject is valid for a number of different career paths such as; advertising, environmental management, law or social services.
Course Requirement	GCSE grade 5 or above in Geography
Examination Board	OCR

A Level German

Course content	<p><u>Aspects of German-speaking society</u></p> <ul style="list-style-type: none"> • The changing role of the family • The digital world • Youth Culture <p><u>Multiculturalism</u></p> <ul style="list-style-type: none"> • Immigration • Racism • Integration <p><u>Artistic Culture</u></p> <ul style="list-style-type: none"> • Festivals and traditions • Art and architecture • Past and present culture in Berlin <p><u>Political Life</u></p> <ul style="list-style-type: none"> • German and the European Union • Politics and Youth • Reunification and the consequences <p><u>Book Study:</u> TBC <u>Film Study:</u> TBC <u>Individual Research Project:</u> TBC</p>
Assessment	<p><u>Paper 1 50% (2hr 30m)</u></p> <ul style="list-style-type: none"> • Listening – questions and summary • Reading – questions and summary • German –English translation • English – German translation <p><u>Paper 2 20% (2 hr)</u></p> <ul style="list-style-type: none"> • One writing question on the film (approx 300 words) <p><u>Paper 3 30% (21-23 min)</u></p> <ul style="list-style-type: none"> • Speaking about a card (related to the sub-topics included) • Presentation and discussion about a research topic
Course Requirement	Grade 5 or above in German
Examination Board	AQA

A Level Government & Politics

Introduction	Do you get angry about tuition fees? Are you upset by MPs' expenses and angry because there are cuts in public services? Do you want to do something about it or simply want to know more about how the country is run? If you do, then Government and Politics is the course for you. Do you like a good debate about politics and enjoy sharing your opinions and using evidence from around you? These are the skills you will develop during your A Level Government and Politics; they are all skills that employers want, and skills which are desirable in the modern world, whether or not you go into politics.
Aims of Course	<ul style="list-style-type: none"> • Requires students to develop a broad knowledge and understanding of the political system of the UK, including the local and European Union (EU) dimensions. • Encourages students to develop their capacity for critical thinking, to see relationships between different aspects of government and politics and to perceive their field of study in a broader perspective, including some comparisons with other political systems. • Requires students to develop knowledge and understanding of relevant political concepts and processes •
Programme of Study	Unit 2: Contemporary Government of the UK; Introduces students to the major governmental processes within the UK and it encourages them to develop a critical understanding of the role and effectiveness of key institutions such as Parliament and MPs. Issues such as the reform of Parliament and how the European Union affects Britain will be explored.
A2 Outline	<p>Unit 3: Contemporary US Government and Politics</p> <p>Unit 4: US Government and Politics.</p> <p>The course focuses upon a comparison between US and UK politics. Developments in US politics, such as recent elections, how the US system works and key institutions such as the Presidency and Congress will be considered. Comparisons between the US/UK systems and their similarities and differences will be explored.</p>
Who is course aimed at?	Many students who have taken the A Level in Government and Politics go on to study politics at university. Careers may include: researcher, member of local or national government or even start on the path to become a future Prime Minister! Other job opportunities include journalism, teaching or work in the legal profession.
Course Requirement	Grade 5 or above in GCSE English Language and History, if studied at GCSE.
Examination Board	AQA

A Level History

Introduction	<p>History is the study of past societies, people and events. Asking why events happened, what were their consequences, how we study them, find out about them and can we trust the opinions of those who have written about them.</p> <p>Some of the questions we tackle throughout the topics covered in the course include:</p> <ul style="list-style-type: none"> • Why did the USA grow from being a relatively weak regional power to becoming a global superpower? • How did the USA recover from the US Civil war to become a nation that is multi-cultural and often referred to as the “Melting Pot”? • Did Britain drastically change from 1951-2007 or have stayed the same as a society and people? • Were the 1960’s as radical as many say they were, or was it just an elite living in London who saw the great changes?
Aims of Course	<p>The A-Level history qualifications offer an engaging and effective introduction to History. Students will learn the fundamentals of the subject and develop skills valued by higher education (HE) and employers, including critical analysis, independent thinking and research. Students will develop their skills and knowledge through each of the three Assessment Objectives (AOs), which are examined in each assessment:</p> <p>AO1: Demonstrate knowledge and understanding of historical events. AO2: Apply historical theories, concepts, evidence to effective arguments and debates. AO3: interpret historical material and reach their own substantiated conclusions and interpretations.</p>
Programme of Study	<p>A2 Outline: Breadth Unit: The USA 1865-1975 Depth Unit: Topics Britain 1951-2007 Coursework Unit A study into an issue that covers an approximate 100-year period Assessment: Two- 2 1/2 hour examinations sat in June.</p>
Who is course aimed at?	<p>History is a well-respected well thought of course accepted by every major University and employer. It develops the skills of analysis and evidence building and encourages students to reach justified conclusions. It is very much beneficial to those wanting to enter a wide range of careers, including teaching, law, police and management. There is not a career that history will not be beneficial too.</p>
Course Requirement	<p>Grade 5 or above in English Language. GCSE 5 or above in History, if studied at GCSE</p>
Examination Board	<p>AQA</p>

A Level Mathematics

Introduction	Do you enjoy solving complex problems? Do you like the satisfaction of knowing when you are right? Are you looking for a course that is challenging, interesting and enjoyable? If so, A-level Mathematics is the course for you.
Aims of course	The aims of the course are to develop your interest in mathematics and extend the principles that you learnt at GCSE. Your range of mathematical skills will be enhanced and techniques will be discovered to help solve more difficult problems. Whilst the techniques will seem theoretical, you will see them applied to real-life situations which can be modelled mathematically.
Programme of Study	<p>The course enables you to follow a variety of mathematical topics.</p> <p>Pure Mathematics will focus primarily on number, algebra, and some aspects of shape and space, culminating in a detailed study of calculus and vector algebra.</p> <p>Statistics is about the collection, analysis and interpretation or explanation, and presentation of data. Statistics compliments a wider range of fields such as banking and finance, biochemical sciences, psychology and any field that requires the analysis of data.</p> <p>Mechanics is about applying maths to solve physical problems in the real world. It deals with topic such as forces, inertia, energy, statics and dynamics. Mechanics compliments fields such as physics, engineering, architecture, information technology and manufacturing.</p>
Assessment	This will take place at the end of year two. The first year content is assessed in two examinations, in pure mathematics and in applied mathematics, including statistics & mechanics. The second year content is assessed in three examinations. Two of these are in pure mathematics and the other in applied mathematics including statistics & mechanics.
Who is course aimed at?	The main reason for studying mathematics to an advanced level is that you find it interesting and enjoyable. You like its challenge, its clarity, and the fact that you generally know when you are right. For many university courses a knowledge of mathematics at A2 level is seen as desirable and in some cases essential. These include most Science courses (especially Physics), Engineering, Psychology, Computing, Economics and Business Studies. The transferable skills that you develop such as problem solving, teamwork, creativity, analytical and lateral thinking make you a very favourable candidate for any employer. Studies have shown that people with an A level in mathematics also tend to earn more on average than those without. Ultimately, mathematics is an amazing subject to have studied at A-Level and provided you have a solid understanding of the GCSE concepts before you start. With perseverance and effort, you should find this course extremely rewarding.
Course Requirement	Grade 5 or above in GCSE Maths.
Examination Board	Edexcel

A Level Media Studies

Introduction	Media literacy is an increasingly important skill to develop in the digital age. Understanding how the media industries operate and deconstructing the many messages that we are bombarded with each day is challenging and demands insight and perception.
Aims of course	You will gain a good knowledge of a range of media industries and explore current issues, becoming informed and articulate in expressing your views about contemporary issues. You will also develop production skills, particularly in video editing, which are increasingly in demand with employers
Programme of Study	You will develop your knowledge and understanding of media theories which will allow you to analyse a range of media texts and then create your own cross media productions.
A Level Outline	<p><u>Component 1:</u> Media Forms and Products, Industries and Audiences Written examination: (2h 15 min) 35% of qualification Section A: Analysing Media Language Section B: Understanding Media Industries and Audiences</p> <p><u>Component 2:</u> Media forms and Products in Depth Written examination: (2h 30 minutes) 35% of the qualification Section A – Television in the Global Age Section B – Magazines: Mainstream and Alternative Media Section C – Media in the Online Age</p> <ul style="list-style-type: none"> • Cross Media Production (Non examination assessment) • 30% of the qualification • Assessment, 30%) <p><u>Component 3:</u> requires learners to create an individual cross-media production in two forms for an intended audience, applying knowledge and understanding of the theoretical framework which means addressing these four key concepts; Learners must complete one of the briefs set by Eduqas that will be released annually on March 1st in the year prior to assessment. The briefs will stipulate the industry and audience contexts as well as detailing very specific requirements that learners must complete, including the required length/quantity of the work. Learners will develop a response to their chosen brief and create a production in a genre of their choice for the specified industry context and intended audience.</p>
Who is course aimed at?	Students do not need to have studied a Media related course previously. However, well developed literacy skills are essential for success
Course Requirement	Grade 5 or above in GCSE English
Examination Board	EDUQAS

A Level Music

Introduction	<i>“The man that hath no music in himself nor is not mov’d with concord of sweet sounds, is fit for treasons, stratagems and spoils, the motions of his spirit are dull as night and his affections dark as Erebus”</i> - The Merchant of Venice, Act V. If you are passionate about music, studying it at A-Level will allow you to build skills in performing and composing, as well as gain a broad musical knowledge through listening and historical studies.
Aims of Course	This course will enable students to: <ul style="list-style-type: none"> • Extend skills, knowledge and understanding needed to communicate through music and take part in music making. • Engage in, and extend, the appreciation of the diverse and dynamic heritage of music, promoting spiritual and cultural development. • Develop particular strengths and interests encouraging life-long learning and providing access to music-related and other careers. • Recognise the interdependence of musical skills, knowledge and understanding and the links between the activities of performing/realising, composing and appraising.
Programme of Study	<p><u>Performing (30%)</u> Students have to perform (either solo and/or ensemble) for a minimum of 8 minutes. The standard of performance for A level is a minimum of grade 6, and performing at grade 7 or 8 standard will allow easier access to higher marks.</p> <p><u>Composing (30%)</u> At A level, students must compose two pieces, one in response to the free choice brief / free composition and one in response to a brief assessing technique. The two pieces must have a combined duration of at least six minutes.</p> <p><u>Appraising (40%)</u> The content of musical elements, musical contexts and musical language is taught through the context of six areas of study, each containing one additional Set Works at A level. The areas of study are the same as for AS.</p>
Who is course aimed at?	The GCSE Music A level gives you a strong foundation for higher education, where you could focus on: <ul style="list-style-type: none"> • Developing music skills to become a professional musician in an orchestra or session musician • Composing music for film, TV, adverts or freelance • Work in the many elements of the music industry • Becoming a music teacher or an instrumental teacher • Using your musical skills and knowledge in other careers, such as event management or leisure/tourism. • Music A Level is looked upon favourably by many top universities.
Course Requirement	GCSE Music 5 or above / BTEC Merit - Distinction and Grade 5 performance and theory exam. If GCSE Music has not been studied, then Grade 5 theory will be accepted.
Examination Board	Edexcel

A Level Photography

Introduction	<i>"The camera makes everyone a tourist in other people's reality, and eventually in one's own"</i> - Susan Sontag
Aims of Course	The aim of the related study is to enable learners to develop their ability to communicate their knowledge and understanding of art historical movements, genres, practitioners and artworks, considering the way that these change and evolve within chronological and other frameworks.
Programme of Study	<p>Learners must use an appropriate range of processes and techniques using traditional and / or digital media, appropriate to the chosen subject area enabling research, exploration and the creation of the final outcome(s). Learners will build and evidence an understanding of:</p> <ul style="list-style-type: none"> • Relevant technologies, materials, processes and resources. • Continuity and change in different genres, styles and traditions relevant to Photography and the chosen areas of study within this specialism.. • How images and artefacts relate to the time and place in which they were made and to their social and cultural context.
Course Outline	<p><u>Year 1: Component 01: Personal investigation (60%)</u></p> <p>Learners should produce two elements:</p> <p>(i) a portfolio of practical work showing their personal response to either a starting point, brief, scenario or stimulus, devised and provided by the learner or centre.</p> <p>(ii) a related study: an extended response of a guided minimum of 1000 words. This portfolio will consist of a number of projects aimed at increasing learner's independence and originality by developing personal ideas and concepts, and exploring and developing skills in Fine Art disciplines.</p> <p><u>Year 2: Component 02: Externally set task (40%)</u></p> <p>The early release paper will be issued in spring and will provide learners with a number of themes, each with a range of written and visual starting points, briefs and stimuli. A creative and imaginative response should be based on one of these options.</p>
Who is course aimed at?	We are looking at students who have a real passion for the subject, who believe in Photography and are committed to developing their knowledge and skills..
Course Requirement	GCSE Art grade 5 or above / BTEC Merit - Distinction and an aptitude for Art via a portfolio at interview.
Examination Board	OCR

A Level Physics

Introduction	Physics uses a combination of experiments and mathematics to try to explain the world around us. Why are planets shaped like spheres? Why do the stars shine? Why is the sky blue? If these are the sorts of questions that you would like to be able to answer, then Physics is the course for you.
Aims of Course	To provide a stimulating and rewarding educational experience, allowing students to study a variety of topics in A- level Physics. The topics give students the opportunity to pursue their own interests in the subject through extended practical projects and information research.
Course Outline	This course prepares any student for Physics or Engineering related degrees or ones involving Applied Mathematics. Practical work is assessed as part of the written examinations.
Topics Covered	<ul style="list-style-type: none"> • Mechanics • Electric circuits • Materials • Waves and the particle nature of light • Further Mechanics • Electric and magnetic fields • Nuclear and Particle Physics • Thermodynamics • Astrophysics • Nuclear Radiation • Gravitational Fields • Oscillations.
Who is course aimed at?	This course provides a foundation for an apprenticeship or degree in Astrophysics, Applied or Theoretical Physics, Astronomy, Artificial Intelligence, Microelectronic Science, Medicine, IT, Optometry, Aeronautical / Electrical / Mechanical engineering, Software and Computing, as well as Architecture.
Course Requirement	Grade 5 or above in double award Science (or GCSE Physics). At least a grade 5 in Maths & English Language is required.
Examination Board	Edexcel

A Level Psychology

Introduction	Look at the people around you; you will see differences in their behaviour, in their opinions, in their intelligence and in their personality. Psychology is the study of mind and behaviour and tries to explain everything we do. Psychology aims to make the world better by helping people be the best that they can be.
Aims of Course	The aim of A Level Psychology is to introduce students to key studies, theories, issues and debates in Psychology, as well as raising awareness of how Psychology applies to everyday life. Students will also learn about the varied ways in which psychologists collect their data through carrying out a range of investigations, practical activities and research projects.
Programme of Study	<p>There are three externally assessed units:</p> <p><u>Unit 1: Introductory topics in Psychology: Social Influence, Memory, Psychopathology and Attachment</u> Students will study how the individual responds to societal pressures to conform to the majority, and to obey authority figures. They will also examine research into models of memory, as well as discussing the credibility of eye witness testimony.</p> <p><u>Unit 2: Psychology in context: Approaches in Psychology, Biopsychology and Research methods</u> Students will be introduced to the main theoretical approaches to behaviour, including learning theory, the cognitive approach, and the biological approach. Each of these approaches provides different perspectives on how to interpret, study and shape human behaviour. Students will also examine ways to test, observe and quantify human behaviour, using a variety of research methods including experiments, correlations and case studies.</p> <p><u>Unit 3: Issues and options in Psychology</u> Students first examine the various issues, debates and approaches that are used to evaluate the psychological discipline, including the nature/nurture argument, as well as determinism versus free will. Students will then study three additional topics in detail: Relationships, Eating behaviour and Forensic psychology.</p>
Who is course aimed at?	The course is appropriate for students who wish to follow an academic path in Psychology and related careers, whilst equipping students with the knowledge and skills essential to both art and science disciplines. Psychologists are known for their analytical and critical skills, as well as being well-regarded for their ability to communicate their ideas effectively. This means that psychologists are found within many different organisations within business, law, health care, education and sport.
Course Requirement	GCSE grade 5 or above in Maths, English and Biology

A Level Sociology

Introduction	<p>Sociology is the academic study of the individuals, groups and institutions that form the society we live in today. Sociologists are responsible for designing, conducting and evaluating research to uncover the causes and consequences of a range of social issues as diverse as society itself. Some of the questions we tackle throughout the topics covered in the course include:</p> <ul style="list-style-type: none"> • Who benefits (and who suffers) in family life? Is divorce always a bad thing? Is an ageing population a problem or an opportunity for our society? Are children losing their innocence younger? • Is religion declining, or just changing? Why are the elderly more religious than the young? How do we successfully measure how 'religious' someone is? Is religious fundamentalism always dangerous?
Aims of Course	<p>The A Level Sociology qualification offers an engaging and effective introduction to Sociology. Students will learn the fundamentals of the subject and develop skills valued by higher education (HE) and employers, including critical analysis, independent thinking and research. Students will develop their skills and knowledge through each of three Assessment Objectives (AOs), which are examined in each assessment:</p> <p>AO1: Demonstrate knowledge and understanding of sociological theories, concepts, evidence and research methods.</p> <p>AO2: Apply sociological theories, concepts, evidence and research methods to a range of issues.</p> <p>AO3: Analyse and evaluate sociological theories, concepts, evidence and research methods in order to present arguments, make judgements and draw conclusions.</p>
Programme of Study	<p>A2 outline (2 year course):</p> <p>Unit 3.1: Education with Theory and Methods</p> <p>Unit 3.2: Topics in Sociology ("Families and Households" and "Beliefs in Society")</p> <p>Unit 3.3: Crime and Deviance with Theory and Methods</p>
Assessment	<p>Three two-hour examinations</p>
Who is course aimed at?	<p>Studying Sociology will change the way you look at the world and the people in it enabling you to critically evaluate arguments, articles and real life situations, as well as greatly enhance your communication skills (both written and verbal). These skills are highly valued at university and in a range of careers, including journalism, public services, social work, marketing, law, public relations and teaching.</p>
Course Requirement	<p>Grade 5 or above in GCSE English. Please note that studying GCSE Sociology is not a requirement to study A Level Sociology.</p>
Examination Board	<p>AQA</p>

A Level Spanish

Course Consent	<p><u>Social trends and issues</u></p> <ul style="list-style-type: none"> • The changing role of the family • Cyber-society • Equal rights <p><u>Political and artistic culture</u></p> <ul style="list-style-type: none"> • Modern day idols • Regional identity • Cultural heritage <p><u>Multiculturalism</u></p> <ul style="list-style-type: none"> • Immigration • Racism • Integration <p><u>Aspects of political life</u></p> <ul style="list-style-type: none"> • Young people's political engagement • Monarchies and dictatorships • Political movements <p><u>Book study:</u> Crónica de una Muerta Anunciada <u>Film study:</u> Maria Llena Eres de Gracia <u>Individual Research Topic:</u> TBC</p>
Assessment	<p><u>Paper 1 – 50% (2 hours 30 minutes)</u></p> <ul style="list-style-type: none"> • Listening – questions and summary • Reading – questions and summary • Spanish-English translation • English-Spanish translation <p><u>Paper 2 – 20% (2 hours)</u></p> <ul style="list-style-type: none"> • One writing question on the film (approximately 300 words) • One writing question on the book (approximately 300 words) <p><u>Paper 3 – 30% (21-23 minutes)</u></p> <ul style="list-style-type: none"> • Speaking about a card (related to the subtopics studied) • Presentation and discussion about a research topic
Course Requirement	Grade 5 or above in Spanish
Examination Board	AQA

WJEC Level 3 Applied Diploma in Criminology

Introduction	Not all types of crime are alike. What different types of crime take place in our society? How do we decide what behaviour is criminal? What is the difference between criminal behaviour and deviance? How do we explain why people commit crime? What happens to those who commit a crime? Why and how do we punish people? What organisations do we have in our society to control criminality?																								
Course Aims	The Diploma in Criminology has been designed to provide learners with underpinning knowledge, understanding and skills to progress to further study and training. It offers exciting and interesting experiences that focus learning for 16-19 year-old learners and adult learners through applied learning, i.e. through the acquisition of knowledge and understanding in purposeful contexts linked to the criminal justice system.																								
Course Outline	<table border="1" data-bbox="544 976 1449 1240"> <thead> <tr> <th colspan="4">WJEC Level 3 Diploma in Criminology</th> </tr> <tr> <th>Unit Number</th> <th>Unit Title</th> <th>Assessment</th> <th>GLH</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Changing Awareness of Crime</td> <td>Internal</td> <td>90</td> </tr> <tr> <td>2</td> <td>Criminological Theories</td> <td>External</td> <td>90</td> </tr> <tr> <td>3</td> <td>Crime Scene to Courtroom</td> <td>Internal</td> <td>90</td> </tr> <tr> <td>4</td> <td>Crime and Punishment</td> <td>External</td> <td>90</td> </tr> </tbody> </table>	WJEC Level 3 Diploma in Criminology				Unit Number	Unit Title	Assessment	GLH	1	Changing Awareness of Crime	Internal	90	2	Criminological Theories	External	90	3	Crime Scene to Courtroom	Internal	90	4	Crime and Punishment	External	90
WJEC Level 3 Diploma in Criminology																									
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Assessment	The Diploma in Criminology is assessed through a combination of two written examinations, set and marked by WJEC, and two centre-marked assignments.																								
Who is course aimed at?	<p>Although there are no formal entry requirements, the qualification supports progression from Level 2, particularly GCSEs in Sociology, Law, Psychology, Citizenship, History and Humanities.</p> <p>Please note that students cannot study both Criminology and A-Level Sociology due to significant overlaps in content.</p>																								
Examination Board	WJEC																								

AS Core Mathematics

Introduction	Do you enjoy solving real world problems? Are you taking subjects with a Mathematics content, such as Science, Engineering, Business, Economics or Psychology? If so, AS level Core Mathematics is a sensible choice of course for you.
Aims of Course	The aims of the course are to develop your interest in Mathematics and extend the principles that you learnt at GCSE. Your range of mathematical skills will be enhanced and techniques will be discovered to help solve problems in a real world context, such as in Engineering or Business. A range of problem-solving techniques will be used including numerical, graphical, algebraic & data analysis.
Programme of Study	<ul style="list-style-type: none"> • Critical Mathematics will focus primarily on number, algebra and data analysis as applied to real-world problems; • Introduction to Quantitative Reasoning will develop problem-solving skills through logical approaches including estimation techniques, algebra & graphing skills, data handling & analysis, as can be applied to a wide range of fields such as banking and finance, biochemical sciences and psychology; • An important point to make is that questions will use data from a 'Large Data Set' consisting of real-world data which is used for analysis, rather than 'made-up' data. The use of spreadsheets to analyse data is also included.
Assessment	This will take place at the end of the year. There are two, 2-hour examinations, one for each module.
Who is course aimed at?	<p>The main reason for studying Mathematics post-GCSE is that you find it interesting and enjoyable. You like its challenge, its clarity, and the fact that you generally know when you are right.</p> <p>For many university courses it is an advantage to extend your knowledge of Mathematics beyond GCSE level. These include most Science courses (especially Physics), Engineering, Psychology, Computing, Economics and Business Studies. Entry to these courses will be enhanced by studying Core Mathematics AS.</p> <p>The transferable skills that you develop such as problem solving, teamwork, creativity, analytical and lateral thinking make you a very favourable candidate for any employer.</p> <p>Ultimately Core Mathematics is an amazing subject to have studied provided you have a solid understanding of the GCSE concepts before you start, with perseverance and effort, you should find this course extremely rewarding.</p>
Course Requirement	GCSE grade 4 or higher in Maths
Examination Board	OCR (MEI)

BTEC Courses

BTEC Level 3 Extended Certificate in Business Studies

Introduction	The business world is constantly developing and this subject allows you to explore and understand how a business operates in the local, national and international market. It is a fascinating subject that covers areas like business communications, marketing and business resources.
Aims of Course	<ul style="list-style-type: none"> • Develop an enthusiasm for studying business. • Gain a holistic understanding of business. • Develop an understanding of stakeholder influences and business organisation. • Analyse how data can be used to plan marketing activities. • Generate enterprising and creative solutions to business problems and issues. • Acquire a range of relevant business and generic skills, including decision making, problem solving, challenging assumptions and quantifying and managing information.
Programme of Study	The BTEC Level 3 extended certificate in Business consists of three mandatory units and one additional optional unit. There are two portfolio units, one non-examined assessment, based on pre-release material, which is completed under controlled conditions, and one external examination. The outcomes are graded pass, merit, distinction or distinction*.
Mandatory Units	<ul style="list-style-type: none"> • Exploring business • Developing a marketing campaign • Personal and business finance
Optional Units	<ul style="list-style-type: none"> • Recruitment and selection
Who is course aimed at?	You will need to have an interest in Business Studies, along with good English and mathematical skills. You must also possess good organisational and communication skills. This course provides an alternative route to one of the A level qualifications for those who wish to pursue a career in business. You can go on to higher education to study a degree in Business related subjects.
For more information	http://qualifications.pearson.com/en/qualifications/btec-nationals/business-2016.html
Course Requirement	Three GCSEs grade 4 or above, to include English and maths, BTEC Business Merit - Distinction or Level 2 equivalent.
Examination Board	Edexcel

BTEC Level 3 National Extended Certificate in Creative Digital Media Production

Introduction	Media literacy is an increasingly important skill to develop in the digital age. Understanding how the media industries operate and deconstructing the many messages that we are bombarded with each day is challenging and demands insight and perception.
Aims of Course	You will gain a good knowledge of a range of media industries and explore current issues, becoming informed and articulate in expressing your views about contemporary issues. You will also develop production skills, particularly in video editing, which are increasingly in demand with employers
Programme of Study	This is equivalent to an Advanced level qualification. In addition to making your own film you will study a range of media from different sectors in order to explore how meaning, messages and values are constructed through formal and stylistic elements. All media express messages through representations that shape perceptions and beliefs about what is valued and undervalued in society. Interrogating media representations through a critical framework will expose underlying values inherent in those representations and lead to an understanding of how audiences can resist preferred readings and negotiate their own meanings
Course Outline	<ul style="list-style-type: none"> • Two externally assessed units • Media Representations • This is a two-hour online exam analysing texts and exploring the concept of representation • Responding to a Commission <p>Learners will be provided with a commission for a media production by the exam board two weeks before the supervised assessment period. They will then complete the tasks in 5 hours under supervised conditions:</p> <ul style="list-style-type: none"> • Two internally assessed units • Pre-production Portfolio • Film Production
Who is course aimed at?	Students do not need to have studied a Media related course previously. However, well developed literacy skills are essential for success. The course is designed for post-16 learners who aim to progress to higher education and ultimately to employment, possibly in the creative industries, as part of a programme of study alongside other BTEC Nationals or A levels.
Course Requirement	Grade 4 or above in GCSE English
Examination Board	Edexcel

BTEC Level 3 Diploma in Computing for Creative Industries

Programme of Study	<p>This qualification is designed to support students who want a strong core study of computer science to enable progression to roles in the computing industry or progression to higher education with a focus on the computing sector.</p> <p>In your first year, you will study five core units:</p> <p>Unit 1: Principles of Computer Science (external assessment)* Unit 3: Planning and Management of Computing Projects (external assessment)* Unit 5: Building Computer Systems* Unit 6: IT Systems Security* Unit 10: Human Computer Interaction*</p> <p>In your second year, you will study five units (these optional units are subject to change):</p> <p>Unit 24: Software Development* Unit 11: Digital Graphics & Animation Unit 12: Digital Audio Unit 13: Digital Video Unit 14: Computer Games Development</p> <p>* mandatory units</p>
Methods of Teaching	<p>The BTEC Nationals in Computing is an advanced vocational qualification which involves the theoretical and practical study of both computer hardware and software related topics.</p>
Assessment	<p>The BTEC courses all will be assessed using a mixture of internal and external assessment.</p>
Progression and Career possibilities	<p>The BTECs Computing & IT are recognised by both higher education establishments and industry. The courses are suitable for students who have a keen interest in following a career in the wide field of IT and computing and who may wish to go directly into employment after completing the qualification, as well as those who wish to embark on a degree course at university.</p> <p>When taken alongside other Level 3 qualifications such as A-Levels, these qualifications provide an opportunity to progress to a degree in a computing discipline or a degree where computing-related skills and knowledge may be advantageous, such as Business Studies.</p>
Course Requirement	<p>5 GCSEs at grade 4 or above, including Maths and English</p>

BTEC Level 3 National in Computing/IT

BTEC Extended Certificate in IT (1 A Level)	This qualification is designed to support learners who are interested in learning about the computing sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in the computing sector. It is designed to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A-Levels.
Course Content	<p>You will study your two core units in your first year:</p> <p>Unit 2: Creating Systems to Manage Information (external assessment) Unit 3: Using Social Media in Business</p> <p>In your second year your units of study are:</p> <p>Unit 1: Information Technology Systems (external assessment) Unit 6: Website Development</p>
BTEC Extended Certificate in Computing (1 A Level)	This qualification is designed to support students who want a strong core study of computer science to enable progression to roles in the computing industry or progression to higher education with a focus on the computing sector.
Course Content	<p>In your first year, you will study two core units:</p> <p>Unit 1: Principles of Computer Science (external assessment) Unit 2: Fundamentals of Computer Science (external assessment)</p> <p>In your second year, you will study five units (these optional units are subject to change):</p> <p>Unit 11: Digital Graphics & Animation Unit 14: Computer Games Development</p>
Course Requirement	BTEC IT L2 grade: Merit or above / GCSE IT or Computing grade: 4 or above
Examination Board	Edexcel

BTEC Level 3 Engineering

Introduction	<p>Scientists dream about doing great things. Engineers do them. Engineering covers a broad variety of roles and it involves the application of scientific principles and practical knowledge to transform ideas and materials into products and systems safely and support them during their lifetime. This qualification supports progression to job opportunities in the engineering sector at a variety of levels. Jobs that are available in these areas include:</p> <ul style="list-style-type: none"> • Engineering/Manufacturing Operative • Engineering / Electronics / IT support / Mechatronics Technician
Aims of Course	<p>In the BTEC National units there are opportunities during the teaching and learning phase to give learners practice in developing employability skills. Where employability skills are referred to in this specification, we are generally referring to skills in the following three main categories:</p> <ul style="list-style-type: none"> • Cognitive and problem-solving skills: use critical thinking, approach non-routine problems applying expert and creative solutions, use systems and technology • Intrapersonal skills: communicating, working collaboratively, negotiating and influencing, self-presentation • Interpersonal skills: self-management, adaptability and resilience, self-monitoring and development.
Programme of Study	<p>This qualification has a focus on a broad range of engineering specialist areas including electrical and electronic, mechanical, and others for example manufacturing. Learners study seven mandatory units including the following topics:</p> <ul style="list-style-type: none"> • Engineering principles and mathematics • Health and safety, team work and interpreting and creating computer-aided engineering drawings • Design and manufacture of products • Microcontroller systems design and programming • Calculus to solve engineering problems.
Outline	<p>During this course, students will study:</p> <p>Unit 1 - Engineering Principles Unit 2 - Delivery of Engineering Processes Safely as a Team Unit 3 - Engineering Product Design and Manufacture Unit 4 - Applied Commercial and Quality Principles in Engineering Unit 5 - A Specialist Engineering Project Unit 10 - Computer Aided Design in Engineering Unit 22 - Electronic Printed Circuit Board Design and Manufacture Unit 24 - Maintenance of Mechanical Systems</p>
Who is course aimed at?	<p>The Pearson BTEC Level 3 National Diploma in Engineering has primarily been designed for learners who want to pursue a career in engineering, progressing directly to an apprenticeship or employment as an engineering technician, or can choose to progress to higher education to study for an engineering degree (or specialist engineering subject, such as aeronautical engineering).</p>
Course Requirement	<p>Grade 5 or above in GCSE English and Mathematics</p>
Examination Board	<p>Pearson</p>

BTEC Level 3 Extended Certificate in Health and Social Care

Introduction	<p>The health and social care sector comprises two sub sectors: health care and social care. Health care encompasses all hospital activities, medical nursing homes and GP services, for example. The social care sector includes residential nursing care, residential nursing facilities, residential care facilities, domiciliary care and social work. Students are able to progress into work in the sector through degree programmes in nursing, midwifery, social work, physiotherapy, occupational therapy and pharmacy, for example. There are more than three hundred distinct career paths in the NHS.</p> <p>The sector is a major employer; employing with almost four million people across the UK.</p>
Programme of Study	<p>The BTEC Extended Certificate in Health and Social Care is equivalent to one A-level. Students will study the following four units on the course:</p> <p>Unit 1: Human Lifespan Development, which is assessed by an external examination.</p> <p>Unit 2: Working in Health and Social Care, assessed by an external examination.</p> <p>Unit 5: Meeting Individual Care and Support Needs, assessed by internal evaluation.</p> <p>Unit 14: Physiological Disorders and Their Care, assessed by internal evaluation.</p>
Who is course aimed at?	<p>This qualification aims to provide an introduction to study of the sector and is for the student interested in learning about the health and social care sector as part of a balanced study programme.</p>
For more information	<p>http://qualifications.pearson.com/en/qualifications/btec-nationals/health-and-social-care-2016.html</p>
Course Requirement	<p>GCSE grade 4 in English, Maths and Science</p>
Examination Board	<p>Edexcel, Pearson</p>

BTEC Level 3 National Diploma in Health and Social Care

Introduction	<p>Students completing their BTEC Level 3 Diploma in Health and Social Care will be aiming to go on to employment often via the stepping stone of higher education. This course has been designed to ensure that the content meets providers' needs and provides high-quality preparation for progression.</p> <p>The health and social care sectors are vast and contain the most rewarding professions which provide you with the opportunity to care for others and make a positive difference to people's lives. If choosing to study the diploma in health and social care, you must have a keen interest in the subject and want to continue for a career in this field.</p>
Programme of Study	<p>The BTEC Level 3 Diploma in Health and Social Care is equivalent to two A-levels. Eight units will be covered throughout this course, six mandatory units and two optional units. It takes two years to complete. There will be three exam units, that are 1 hour 30 minutes and five assignment units that need to be completed in order to gain the qualification.</p>
Mandatory Units	<p>Unit 1: Human Lifespan Development - external examination. Unit 2: Working in Health and Social Care - external examination. Unit 4: Enquiries into Current Research in Health and Social Care - external examination. Unit 5: Meeting Individual Care and Support Needs - internal evaluation. Unit 7: Principles of Safe Practice in Health and Social Care - internal evaluation. Unit 8: Promoting Public Health - internal evaluation.</p>
Optional Units	<p>Unit 14: Physiological Disorders and their Care - internal evaluation. Unit 19: Nutritional Health - internal evaluation.</p>
Who is course aimed at?	<p>This qualification aims to provide an introduction to study of the sector and is for the student interested in learning about the health and social care sector as part of a balanced study programme.</p>
For more information	<p>http://qualifications.pearson.com/en/qualifications/btec-nationals/health-and-social-care-2016.html</p>
Course Requirement	<p>GCSE grade 4 in English, Maths and Science</p>
Examination Board	<p>Edexcel, Pearson</p>

BTEC Level 3 Nationals in Performing Arts (Dance or Drama)

Introduction	This qualification is designed to support learners who are interested in learning about the performing arts sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in the performing arts sector. It is designed to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A levels.
Course	<p><u>1 Year course:</u> Certificate (1 AS Level Equivalent) potentially progressing to Extended Certificate in year 2</p> <p><u>2 Year Course:</u> Extended Certificate (1 A Level Equivalent)</p>
Certificate in Performing Arts	<p>You will study two core units in your first year:</p> <p>Unit 1*: Investigating Practitioners' work. Unit 2*: Developing skills and techniques for live performance.</p> <p>*mandatory units</p>
Extended Certificate in Performing Arts	<p>In your second year your mandatory units of study are</p> <p>Unit 3**: Group Performance workshop Final unit 12: Contemporary Dance Technique</p> <p>**double weighted units</p>
Assessment	<p>The Certificate and Extended Certificate will be assessed using a mixture of internal and external assessment.</p> <p>The Certificate, equivalent in size to one AS Level which consists of two mandatory units of which one unit is externally assessed by the examination board and one unit assessed by the college via coursework.</p> <p>The Extended Certificate, equivalent in size to one A Level which consists of four units of which two units are externally assessed by the examination board and two units are assessed internally at the college via coursework. Three out of the four units are mandatory.</p>
Progression and Career possibilities	<p>The BTEC Nationals in Performing Arts are recognised by both higher education establishments and industry. The courses are suitable for students who have a keen interest in following a career in the field of Performing Arts and who may wish to go onto further vocational training or wish to embark on a degree course at university.</p> <p>When taken alongside other Level 3 qualifications such as A-Levels, these qualifications provide an opportunity to progress to a degree in a performing arts discipline or a degree where performing arts-related skills and knowledge may be advantageous.</p>
Course Requirement	5 GCSEs at grade 4 or above, including Maths and English. Relevant Performing Arts experience.
Examination Board	Edexcel

BTEC Level 3 Public Services

Introduction	There are two routes through the Public Services course. There will be one group running in 2 blocks. At the end of year 1 – there will be enough for students to have completed the 60 credit Subsidiary Diploma (Equivalent of 1 A-Level) and accredited by UCAS. Those who choose to carry on to complete 2 years will have enough to complete a 120 credit Diploma (worth 2 A Levels). The grading will be using the Distinction*, Distinction, Merit, Pass grading system.																			
Sessions	<table border="1"> <thead> <tr> <th data-bbox="544 611 694 651">Year</th> <th data-bbox="703 611 1134 651">1 (60 Credits from the below units)</th> <th data-bbox="1144 611 1428 651">2</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 660 694 840">Mandatory Units</td> <td data-bbox="703 660 1134 840">1 - Government, Policies and the Public Services (10) 2 -Leadership and Team work in the Public Services (15) 3 - Citizenship, Diversity and the Public Services (15)</td> <td data-bbox="1144 660 1428 840">25 Public Service data interpretation (10)</td> </tr> <tr> <td data-bbox="544 848 694 1032">Physical</td> <td data-bbox="703 848 1134 1032">16 - The impact of Terrorism on the Public service providers (5)</td> <td data-bbox="1144 848 1428 1032">Practical Team Sports (10) Instructing Physical Activity and Exercise (10)</td> </tr> <tr> <td data-bbox="544 1041 694 1225">Theoretical</td> <td data-bbox="703 1041 1134 1225">17- Police Powers in the Public Service (5) 18 - Behaviour in Public sector employment (5)</td> <td data-bbox="1144 1041 1428 1225">21 Custodial Care (10) Aspects of the Legal 22 System and Law making process (10)</td> </tr> <tr> <td data-bbox="544 1234 694 1417">Expedition</td> <td data-bbox="703 1234 1134 1417">Either: 10 - Skills for land based outdoor and Adventurous Activities (10) or 9 – Outdoor and adventurous activities (10)</td> <td data-bbox="1144 1234 1428 1417">Skills for Water based Outdoor and Adventurous Activities (10)</td> </tr> <tr> <td data-bbox="544 1426 694 1467">Total</td> <td data-bbox="703 1426 1134 1467">60</td> <td data-bbox="1144 1426 1428 1467">60</td> </tr> </tbody> </table>		Year	1 (60 Credits from the below units)	2	Mandatory Units	1 - Government, Policies and the Public Services (10) 2 -Leadership and Team work in the Public Services (15) 3 - Citizenship, Diversity and the Public Services (15)	25 Public Service data interpretation (10)	Physical	16 - The impact of Terrorism on the Public service providers (5)	Practical Team Sports (10) Instructing Physical Activity and Exercise (10)	Theoretical	17- Police Powers in the Public Service (5) 18 - Behaviour in Public sector employment (5)	21 Custodial Care (10) Aspects of the Legal 22 System and Law making process (10)	Expedition	Either: 10 - Skills for land based outdoor and Adventurous Activities (10) or 9 – Outdoor and adventurous activities (10)	Skills for Water based Outdoor and Adventurous Activities (10)	Total	60	60
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Course Requirement	GCSE grade 4 in English, Maths and Science																			
Examination Board	Edexcel, Pearson																			

BTEC Level 3 National Diploma in Sport

Introduction	The annual contribution of the sport sector to the UK economy is over £8 billion, with a workforce comprising of more the 600,000 people. We are offering the Level 3 National Diploma in Sport, which is a two year course and worth the equivalent to two A-levels upon successful completion when chosen as a double option across two option blocks. If students only wish to take Sport in one option block, we are also offering the Level 3 Extended Certificate. This is a one year course and is worth the equivalent to one AS level upon successful competition.
Programme of Study	<p><u>Level 3 Diploma</u></p> <p>Year 1:</p> <ul style="list-style-type: none"> • Unit 1: Anatomy and Physiology • Unit 2: Fitness, Training, Programming for Health, Sport & Well-being • Unit 3: Professional Development in the Sports Industry • Unit 7: Practical Sports Performance <p>Year 2:</p> <ul style="list-style-type: none"> • Unit 4: Sports Leadership • Unit 22: Investigating Business in Sport and the Active Leisure Industry • Unit 23: Skill Acquisition in Sport • Unit 25: Rules, Regulations and Officiating in Sport • Unit 26: Technical and Tactical Demands of Sport <p><u>Level 3 Certificate in Sport</u></p> <p>Year 1:</p> <ul style="list-style-type: none"> • Unit 1: Anatomy and Physiology • Unit 7: Practical Sports Performance <p><u>Level 3 Extended Certificate in Sport</u></p> <p>Year 2:</p> <ul style="list-style-type: none"> • Unit 2: Fitness, Training, Programming for Health, Sport & Well-being • Unit 3: Professional Development in the Sports Industry
Who is course aimed at?	This course provides an alternative route to A-level qualifications for those who wish to pursue a career in the field of sport, leisure or recreation. BTEC Sport would suit students who have a keen interest in the theory surrounding sport, even if do not compete or participate regularly at a high standard. You can go on to higher education to study a degree in sports studies / science, sports therapy, sports coaching, leisure studies or PE teaching. Those who wish to pursue careers in professional sport would also find the course highly useful.
Course Requirement	BTEC Sport L2 grade: Merit or above / GCSE PE grade: 4 or above / If neither - then a competitive level of sport currently undertaken. BTEC Science grade: Merit or above / GCSE science grade: 4 or above.
Examination Board	Edexcel

Tamworth Sixth Form Football Academy (with Burton Albion FC)

Introduction	The Football Academy is run in partnership with Burton Albion Community Trust. The two-year course aims to provide students with the opportunity to study for a nationally recognised qualification: the BTEC National Diploma in Sport.
Programme of Study	<p>Students receive expert coaching and guidance from Burton Albion football coaches throughout the programme. The Football Academy compete in the British College League, West Midlands Division. There are also several friendlies and tournaments played throughout the season.</p> <p>Home fixtures and regular training will be held at St George's Park, Tamworth Sixth Form and Burton Albion Football Club, provided by a fully qualified Burton Albion football coach. Students will have direct access to the excellent state-of-the-art sport and fitness facilities as part of their training programme. Students will also have access to regular strength and conditioning classes, in addition to personal and technical skill-based sessions.</p>
Qualifications that can be obtained	<p>Students will have opportunities to also obtain the following qualifications throughout the duration of the course:</p> <ul style="list-style-type: none"> • FA Level 1 Coaching Qualification (with the view to gain a further FA Level 2 Qualification, dependant on proficiency at a coaching level) • Refereeing Course, Level 1 • First Aid Qualifications
Pathways on completion	<p>There are a number of pathways that students can follow upon completion of the BTEC National Diploma in Sport and involvement within the Football Academy – these include:</p> <ul style="list-style-type: none"> • Sports-related degrees at university • Direct pathway to the sports industry; a range of careers, including: Sports Coach; PE Teacher; Fitness Instructor; Personal Trainer; Leisure Centre Manager; Physiotherapist. • Full-time employment within the Sport and Leisure industry.
Course Requirement	GCSE grade 4 or above in Science, English and Mathematics.

BTEC Level 2 Courses

BTEC Level 2 First Certificate in Business

Programme of Study	This is a one-year course. The course is made up of three mandatory units and five specialist units. You will learn about subjects including business communication, sales and customer service and financial controls.
Mandatory Units	Unit 1 - Enterprise in the Business World Unit 2 - Finance for Business (externally assessed) Unit 9 – Principles of Marketing (externally assessed)
Optional Units	Units will be chosen from: 3. Promoting a Brand 4. Principles of Customer Service 5 Sales and Personal Selling 6. Introducing Retail Business 7. Providing Business Support 8. Recruitment, Selection and Employment 10. Using Business Documentation 11. Building Successful Business Teams 12 Introducing Law and Consumer Rights 13. Financial Planning and Forecasting 14. Business Online 50 (counts as 2 units) 15. Public Section Business
Course Assessment	Mandatory units 2 and 9 are externally assessed. These assessments are completed on-screen using computers at the Academy. All optional units are internally assessed and graded by teachers. We use projects, assignments, presentations and other practical activities to assess you. An overall grade for the qualification is awarded to students who successfully complete all units. Grades awarded are Pass, Merit or Distinction.
Who is course aimed at?	If you are not sure what career you want to enter into, then this qualification is ideal for you. You will gain an insight into different areas of the business world which will support you in all aspects of any career choice you make. Following a successful completion of the course, you would also be able to enter onto a Level 3 Business programme or alternatively, you could gain employment. The course will give you a good grounding in all the areas of business which you will find useful when you enter the world of work.
For more information	http://qualifications.pearson.com/en/qualifications/btec-firsts/business-2012-nqf.html
Course Requirement	4 GCSEs at grade 3 or above, including English. You will have an opportunity to improve your English and maths grades. You will undertake an induction with the Business team and will be required to achieve a minimum of Entry 2 on a screening assessment in English and maths.
Examination Board	Edexcel

BTEC Level 2 Engineering

Is this the right subject for me?	Are you interested in how machines and electronics work? Do you ever want to take things apart to see what's inside? Engineering is the study of how things are made, from the initial design to a final product. It requires a technical and logical mind, as well as the ability to analyse and problem solve.
What do I need to know, or be able to do, before taking this course?	This course is suitable for pupils who enjoyed making things in their design and technology lessons in years 7, 8 and 9. It is also very suitable for pupils who actively engage in making things at home or have some experience working with either machines (Examples include cars, motorbikes and farm vehicles) or Electronics. Although it is useful for pupils to have a back experience in making things or working with machines/electronics it is not essential, as all teaching starts from the basics.
What will I learn?	<p>In this course students will study options that include:</p> <p>Unit 1: Engineering World – this unit is exam based and covers a wide variety of engineering principles, from different process and their effects on materials to the different types of engineering sectors, even exploring more complicated technologies such as smart materials and robotics.</p> <p>Unit 2: Investigating an Engineered Product – this unit allows pupils to open up and investigate how products are manufactured for a certain market. This takes into account a variety of manufacturing techniques as well as giving pupils an idea of how products are constructed and even repaired.</p> <p>Unit 5: Engineering Materials– this unit covers a wide range of materials, their properties, their uses and the affect that certain manufacturing process has on them. This allows pupils to achieve a solid grounding in the correct application of all materials used in industry.</p> <p>Unit 6: Computer-aided Engineering – this unit covers both Computer Aided Design and Computer Aided Manufacturing. It allows pupils to use computer software to design and automatically manufacture products, parts and components. Pupils are taught how to use programs such as 2D design, circuit wizard and even the highly rated industrial standard of solid works. They will then be taught how to use a variety of CNC machines that are commonly used in industry such as the laser cutter, CNC lathe, CNC Mill, CNC router (both vertical and horizontal) as well as the 3D printers.</p>
How the course will be assessed	Unit 1 – Examination 25% Unit 2, 5, 6 – Controlled assessment based 75% (This course is the equivalent to 1 GCSE)
Course Requirement	4 GCSEs at grade 3 or above, including maths. You will have an opportunity to improve your English and maths grades. You will undertake an induction with the Engineering team and will be required to achieve a minimum of Entry 2 on a screening assessment in English and maths.
Examination Board	Edexcel (First Award)

BTEC Level 2 Certificate in Health and Social Care

Introduction	The Cambridge Nationals in Health and Social Care is designed to equip anyone who has an interest in Health, Social Care or Early Years, with the essential knowledge and transferable skills to enable them to make valid personal choices about further education, training or employment in this field. Related employment might include Nursing; Nursery Nursing; Midwifery; Occupational Therapy and Physiotherapy; Pharmacy; Medicine; Social Work; or Teaching, for example.
Aims of Course	This Health and Social Care course is a varied and interesting course involving a range of teaching, learning and assessment styles to motivate and encourage creativity and independence. There will be opportunities to visit local Health, Social Care and Early Years care settings, as well as to interview visiting speakers, which helps to put learning into context.
Programme of Study	<p>Assessment is based on three portfolios of work (75% of your grade), and a one-hour external examination which is set and marked by OCR (25% of your grade). The exam can be sat at any of four points during the two year course and the portfolios of work can contain a range of evidence, from posters or project work, to video evidence.</p> <p>Unit 1: Essential values of care for use with individuals in care settings. This mandatory examined unit focuses on the rights of individuals. You will learn about the values of care that are important if you are working in a health, social care or early year's environment. Individuals who use services often feel vulnerable, therefore you need to understand how important it is to be friendly and supportive, and so they will feel respected and valued.</p> <p>Unit 2: Communicating and working with individuals in health, social care and early years' settings. This is the mandatory portfolio of work. You will gain knowledge and understanding of how to communicate effectively and what personal qualities will contribute to the creation of a caring environment when working with individuals in a health, social care or early years setting.</p> <p>Units 3 and 4 - The final two units are both internally assessed and externally moderated portfolios of work. As a class you will select two out of the eight optional units that most appeal to the interests of the class. These optional units include 'Understanding the nutrients needed for good health', 'Basic first aid', 'Understanding Life Stages' and 'Creative activities to support individuals in Health, Social Care and Early Years settings.</p>
Course Requirement	4 GCSEs at grade 3 or above, including English. You will have an opportunity to improve your English and maths grades.
Examination Board	OCR Cambridge Nationals Certificate in Health and Social Care.

BTEC Level 2 First Award in Sport

Is this is the right subject for me?	<p>If you enjoy:</p> <ul style="list-style-type: none"> • Communicating with others and working as a team • Working practically in a range of different sporting activities • Taking on leadership roles through coaching and officiating • Learning about healthy active lifestyles and the anatomy of the body
What do I need to know, or be able to do, before taking this course?	<p>You need to have an interest and take part in regular sport both in and out of school. You should be committed to attending extra-curricular clubs and developing your skills as a coach and leader. You need to have a basic understanding of health and fitness and be interested in developing your understanding of anatomy and physiology as well as training and fitness to a more advanced level.</p>
What will I learn?	<p>The course aims to give learners to the opportunity to:</p> <ul style="list-style-type: none"> • Develop their leadership, communication and analysis skills • Enhance their understanding of health, fitness and fitness testing and training methods • Develop their knowledge and practical skills in a range of sporting activities
How the course will be assessed	<p>BTEC is a vocational qualification that prepares young people for future careers in the sports and leisure sector. The course is directly related to the real, everyday world and covers topics such as Fitness Testing and Training, Leading Sports Activities, Practical Sport and Anatomy and Physiology. The work is assessed via the production of a portfolio project which is continuously assessed throughout the course as well as an online examination which is externally assessed.</p>
Examination Board	Edexcel

GCSE Courses

GCSE English Language

Introduction	The course will build on the English skills students developed at GCSE before coming to the Sixth Form and it will seek to develop students' confidence in their ability to demonstrate these skills. This course also aims to enable students to see the relevance of English skills to other subjects studied at the Sixth Form and further academic study, as well as to future career aspirations.
Aims of Course	<p>AQA English enables students to:</p> <ul style="list-style-type: none"> • Read fluently and with good understanding, a wide range of texts from the 19th, 20th and 21st centuries including literature and literary non-fiction as well as other writing such as reviews and journalism. • Read and evaluate texts critically and make comparisons between texts. • Summarise and synthesise information or ideas from texts. • Use knowledge gained from wide reading to inform and improve their own writing. • Write effectively and coherently using Standard English appropriately. • Use grammar correctly and punctuate and spell accurately. • Acquire and apply a wide vocabulary, alongside a knowledge and understanding of grammatical terminology, and linguistic conventions for reading, writing and spoken language. • Listen to and understand spoken language and use spoken Standard English effectively.
GCSE Outline	<p><u>Paper 1: Explorations in Creative Reading and Writing</u> Section A: Reading (one literature fiction text) Section B: Writing (descriptive or narrative writing) External examination 1 hour 45 minutes 50% of total course</p> <p><u>Paper 2: Writers' Viewpoints and Perspectives</u> Section A: Reading (one non-fiction text and one literary non-fiction text) Section B: Writing (writing to present a viewpoint) External examination 1 hour 45 minutes 50% of total course</p> <p><u>Non-examination Assessment:</u> Spoken Language, Presenting, responding to questions and feedback, use of Standard English Assessed internally by your subject tutor.</p>
Who is course aimed at?	All students who have not achieved a grade 4 at GCSE are required to complete this course as part of their studies.
Examination Board	AQA

GCSE Mathematics

Introduction	GCSE Mathematics is an essential requirement for a large number of careers and further education courses and this course allows students the opportunity to gain this qualification.
Aims of Course	The course will focus on the key topics that will help students improve their grades and gain a greater understanding of mathematics. Our aim is to encourage students to develop confidence in mathematics and to remove barriers to learning, thereby acquiring a positive attitude towards mathematics. This qualification aims to help students to recognise the importance of mathematics in their own lives and to society. It also prepares students to make informed decisions about the use of technology, the management of money, further learning opportunities and career choices.
Programme of Study	<p>GCSE Mathematics covers the three main areas of Number and Algebra, Geometry and Measures, Statistics and Probability. Students will sit two exams, both of which will cover all these areas; one will be a calculator paper and the other a non-calculator paper. Exams can be taken in November and June and students will be entered at the appropriate time in order to maximise their opportunities for success.</p> <p>Given that students will have already covered the course content before coming to the Sixth Form, the emphasis will be on understanding and application. Students will be encouraged to identify their own specific needs and programmes will be in place to ensure that these are met.</p> <p>The Edexcel GCSE in Mathematics gives students the opportunity to develop the ability to:</p> <ul style="list-style-type: none"> • Acquire and use problem-solving strategies. • Select and apply mathematical techniques and methods in mathematical, every day and real-world situations. • Reason mathematically, make deductions and inferences, and draw conclusions. • Interpret and communicate mathematical information in a variety of forms appropriate to the information and context.
Who is course aimed at?	All students who have not achieved a grade 4 at GCSE are required to complete this course as part of their studies.
Examination Board	Edexcel