

Choosing your options for the Sixth Form

Understanding the qualifications

All qualifications on offer are Level 3. This means they are the next step up from GCSE's and are the stepping stone to University. Students must gain at least 5 A*-C grades at GCSE. To study Maths and The Sciences you must achieve at least a grade B in those subjects

Advanced Subsidiary Level (AS) – These courses are the traditional courses offered by Post 16 providers and are seen to be more academic in nature than others. They are completed in year 12 and students need to complete AS units before they begin A2 units. Students sit exams to determine final grades. Grades A*-U are awarded.

Advanced Level (A2) – These are taken in Year 13 and follow on from the content taken at AS Level. They are examined to determine final grades. Grades A*-U are awarded.

BTEC's – These are vocational in nature and are designed to prepare learners for working within specific areas. Assessment is via coursework. There are no exams. Grades Pass, Merit and Distinction are awarded.

Types of BTEC include:

- Certificate. This is equivalent to one AS Level
- Subsidiary Diploma. This is equivalent to one A Level
- Diploma. This is equivalent to two A Levels

How do grades convert to UCAS Points?

	AS	A2	BTEC Certificate	BTEC Subsidiary Diploma	BTEC Diploma
A*	70	140			
A	60	120			
B	50	100			
C	40	80			
D	30	60			
E	20	40			
U	0	0			
D*			70	140	
D			60	120	
M			40	80	
P			20	40	
D*D*					280
DD					240
MM					160
PP					80

What do I need to study art?

Students will need the normal A* to C pass rate to study advanced Level 3 courses. A good GCSE in art pass is beneficial.

Students will enrol on the first day of the course in September when a £15 fee needs to be paid. This is used to pay for the life drawing sessions for the course.

You will be provided with sketch books and all the materials for the class work, but basic supplies of art materials will be useful at home. This should include a good set of acrylic paints and brushes.

A camera is very useful for creating visual records of events, places and artwork. Most basic cameras will suffice for this but, for those wishing to specialise more in photography, an SLR camera with manual facilities or a high quality digital camera are preferable. Computing facilities and being able to print from your computer are desirable.

What will you study?

The course is designed to excite and challenge you.

- It aims to develop your creativity and curiosity.
- It aims to nurture your thirst for learning and technical achievement.
- It seeks to clarify and deepen your ability for visual expression.

Structure of Course

The course we are following is AQA GCE - Fine Art, AS and A2. This course caters for those students who wish to study a creative visual subject with emphasis on thematic work that allows for a personal original response.

Art AS/A2 will require students to:

- Develop your ideas through investigations, linking your work with other artists and demonstrating a critical understanding.
- Experiment with a range of different materials refining your ideas as it develops.
- Record observations relevant to your intentions, and reflect on your work.
- Present a meaningful final piece that fulfils your intentions and where appropriate makes connections with other elements of your work.

- AS Level Art will cover:

Unit 1 will cover:

Unit 2 will cover:

Practical Coursework Unit creating a portfolio of work

Preparation from 1st February, 5 hours exam

A2 Level Art will cover:

Unit 3 Personal investigation based on idea, issue or concept

Unit 4 Preparation from 1st February 15 hours exam

Examination Structure

AS LEVEL:

Unit 1: 50% of the 'A/S' marks based on coursework tasks

Unit 2: 50% of the 'A/S' marks based on a 5 hour examination

A2 LEVEL:

Unit 3: 25% of total 'A' Level marks

Unit 4: 25% of total 'A' Level marks

How Art and Design will help you.

There are hundreds of different art and design related degrees you can choose from if you want to go on to study a visual subject at higher level. These broadly fall into two categories, fine art and design. Fine Art subjects centre on the individual creativity while design based courses centre on learning the discipline and the client. Examples of Fine Art courses would be Painting, Sculpture and Photographic Art. Examples of design based degrees include Fashion, Graphics, Illustration and Interior Design.

For further information, please see: Mr C Sinclair (Head of Art)

What do I need to study Biology?

The normal A* to C pass rate to study advanced Level 3 courses plus a B or better in Additional Science/Biology.

What will you study?

SNAB (Salters-Nuffield Advanced Biology) is taught through real-life biology. For example, most A-level biology courses start with cell biology or biochemistry. We don't. We start with an account of Mark, a 15-year-old who had a stroke, and Peter, an adult who had a heart attack. We then go on from the details of their cases to look at the factors that make it more likely that any of us will suffer from a stroke or heart attack. This allows you to meet the biochemistry of fats and carbohydrates bit by bit, as you need to know them to understand about strokes and heart diseases, rather than all at once.

In the AS year you study four topics. Each takes about half a term, including practical work. This gives time to do coursework and to revise for the exams.

Unit 1**Topic 1 Lifestyle, health and risk**

- The concept of risks to health, how these can be assessed, and what affects our perceptions of risk.
- The heart and circulation, and understanding how these are affected by our diet and activity.
- The biochemistry of food and why this matters.

Topic 2 Genes and health

- How changes in DNA can cause genetic disease, using cystic fibrosis as an example.
- Cell membrane structure, how substances move across membranes, and how proteins are made.
- Treatments for genetic disease, and the ethical issues raised by today's genetics.

Unit 2**Topic 3 Voice of the genome**

- Gene structure and function.
- Stem cells, their potential in medicine, and the arguments for and against their use.
- Regulation of gene expression and the control of development in organisms.

Topic 4 Biodiversity & natural resources

- What is biodiversity? classification, adaptation and natural selection. Disappearing biodiversity.
- Plant anatomy and function; human use of plants.

A2 LEVEL:

UNIT 4: The Natural Environment and Species Survival

Topic 5: On the wild side

- Photosynthesis
- How ecosystems work, energy transfer within ecosystems
- Habitats, abiotic, biotic factors
- Evidence for global warming; effects on plants and animals
- Reproductive isolation leading to speciation
- Will climate change lead to extinction of species or evolution by natural selection?
- Light-dependent and independent reactions
- Nutrient recycling

Topic 6: Infection, immunity and forensics

- Analytical techniques in forensics — DNA profiling and polymerase chain reaction (PCR)
- Determining time of death of an animal
- Structure of bacteria and viruses
- Infectious diseases (eg HIV and TB) and immunology
- Combating infection, developing immunity, host immunity, antigens, antibodies, antibiotics, the immune response
- Evolutionary battles between invading pathogens and hosts
- Hospital practice relating to infection prevention and control

UNIT 5: Energy, Exercise and Coordination**Topic 7: Run for your life**

- Physiological adaptations of animals to undertake strenuous exercise
- Biochemical requirements — ATP, glycolysis, anaerobic/aerobic respiration
- Homeostasis (gene regulation, temperature regulation)
- Muscle physiology
- Performance-enhancing substances

Topic 8: Grey matter

- The nervous system
- Development of vision and learning, response to stimuli, Hubel and Wiesel's experiments
- Brain structure and function
- Brain imaging
- Imbalances in brain chemicals, eg Parkinson's disease
- Ethical issues raised by the Human Genome Project and genetically modified organisms

UNIT 6: Practical Biology and Investigative Skills

Students present a written (word-processed) report of 2700–3300 words on an experimental investigation that they have devised and carried out.

Students are assessed on the following skills:

- explaining choice of investigation
- using apparatus safely and skilfully
- observing and recording
- interpreting and evaluating
- presentation of report

Examination structure:

AS LEVEL:

Unit 1: Lifestyle, Transport, Genes and Health

This unit is assessed by means of a written examination paper, which lasts 1 hour 15 minutes and will include: objective questions, structured questions, short-answer questions and will also cover: How Science Works and practical-related questions. 80 marks

Unit 2: Development, Plants and the Environment

AS This unit is assessed by means of a written examination paper, this lasts 1 hour 15 minutes and will include: objective questions, structured questions, short-answer questions and will also cover: How Science Works and practical-related questions. 80 marks

Unit 3: Practical Biology and Research Skills

AS Students will submit a written report of between 1500 and 2000 words. The report may be either a record of a visit to a site of biological interest or a report of research into a

biological topic. During the course of teaching Units 1 and 2 teachers will observe students carrying out practical work during which they will be assessed. 40 marks

A2 Level

Unit 4: The Natural Environment and Species Survival

This unit is assessed by means of a written examination paper, which lasts 1 hour 30 minutes and will include: practical-related questions, structured questions, short-answer questions and will also cover: How Science Works and practical-related questions. 90 marks

Unit 5: Energy, Exercise and Coordination

This unit is assessed by means of a written examination paper, which lasts 1 hour 30 minutes and will include: objective questions, structured questions, short-answer questions and will also cover: How Science Works and practical-related questions.

A third of the marks is related to specified re-released reading. 90 marks

Unit 6: Practical Biology and Investigative Skills

Students will complete an individual investigation. This is a written report of an experimental investigation, which they have devised and carried out and includes synoptic assessment. During the course of teaching Units 4 and 5 teachers will observe students carrying out practical work and they will be assessed on these. 45 marks

What skills will Biology help me develop?

SNAB students do not simply listen, watch, take notes, memorise and recall information. They are encouraged to engage in activities integrated throughout the course. Activities incorporate, amongst other things, practical work, debates, discussions, research and role plays. Employing a wide range of teaching and learning styles, activities introduce both content and experimental techniques. Skills include data analysis, critical evaluation of information, communication and collaborative work. Developing these types of skills is an integral part of the SNAB course.

Independent learning is an important ability which students will develop as a result of doing the activities. This does not mean that students should be left to get on with things on their own; instead they learn to work things out for themselves, make links between ideas, draw

on existing knowledge, apply this knowledge to new situations, and take responsibility for their own learning.

How will Biology help me?

A level Biology is a well respected A level and can lead to careers in Biology, environmental work, medicine, dentistry etc. It can also be used for careers such as accountancy, management etc.

For further information, please see: Mr P.R. Hansford (Head of Science)

What do I need to study BTEC National Subsidiary Diploma in Applied Science (Biology) Level 3

The normal A* to C pass rate to study advanced Level 3 courses.

The BTEC National Subsidiary Diploma in Applied Science has the equivalent of one GCE A Level, and it is possible for you to progress further into higher education, as successful BTEC National qualifications give UCAS points for university applications.

What will you study?

This qualification gives you an understanding of the essential knowledge and skills needed to help you begin or progress in a broad range of science careers. The BTEC National Subsidiary Diploma can also open up further areas of study to you. The course is designed to be adaptable to your needs, abilities and career aspirations. It consists of 3 mandatory units plus 3 other specialist units. Students completing a one year course will be awarded a BTEC national Certificate and that is equivalent to an AS Level.

BTEC National Subsidiary Diploma structure (six units are studied in total)

Core units (Compulsory units)

1. Fundamentals of Science
2. Working in the Science Industry
3. Scientific practical techniques.

Specialist units

1. Physiology of Human body systems
2. Physiology of Human regulation and reproduction
3. Genetics and genetic engineering.
- 4.

Examination structure:

Students are examined via portfolio submissions (there are no external examinations). The portfolios will be graded Pass, Merit or Distinction and these assessment decisions will be used to determine the overall grade for the diploma.

What skills will BTEC National Subsidiary Diploma in Applied Science help me develop?

- Providing opportunities for potential science employees to achieve a nationally recognised Level 3 vocationally specific qualification, to enter employment across a range of capacities. Learners may also progress to further vocational qualifications such as the BTEC Higher Nationals. Developing the knowledge, understanding and skills of learners from the viewpoint of the science community.
- Providing opportunities for learners to focus on the development of key skills in a science context, such as improving own performance, working with others and problem solving.
- Providing opportunities for learners to develop a range of skills and technical personal qualities and attitudes essential for successful performance in work and life.

How will BTEC National Subsidiary Diploma in Applied Science help me?

The BTEC National Subsidiary Diploma will allow learners to explore science environments through the context of case studies, practical assignments and work experience / industry visits.

This course of study will allow students to broaden their experience and understanding of the science. The programme of study will develop understanding of scientific processes in practice and give the learners the opportunity to reflect on where they consider themselves to be best placed within the world of work.

With the international recognition of BTEC courses such as this, you can progress successfully into employment. If successful there are a variety of potential careers that you can expect, all of which will benefit from your studies, for example: quality control technician/assistant, working in a biotechnology laboratory, forensic science service, research laboratory etc.

For further information, please see: Mr Hansford or Mrs Bishop

What do I need to study Children's Care, Learning and Development

You should have at least 5 GCSE's at grades A*-C

What is a BTEC National Award in Children's Care, Learning and Development?

The BTEC National Award in Children's Care, Learning and Development will give an understanding of the underpinning knowledge and practical skills to provide you with the common core principles of children's care for progression to employment or higher level education. Work experience and links to the workplace form a central part of the programme.

A BTEC **National Award** is equivalent to one A level and gains UCAS Tariff points in the same way. This is a 2 year course which has to be completed in its entirety in order to gain a qualification.

What will I study?

You will be required to undergo 5 units of work in order to complete the course, including one which requires work experience.

Unit 1: Positive Relationships for Children's Care, Learning and Development

On completion of this unit a learner should:

- Be able to develop relationships with children
- Be able to communicate with children
- Be able to support children in developing relationships
- Be able to communicate with adults.

Unit 2: Positive Environments for Children's Care, Learning and Development

On completion of this unit a learner should:

- Know how to establish and maintain a healthy, safe and secure environment for children

- Know how to supervise procedures for accidents, injuries, illnesses and other emergencies
- Understand how to care for babies and children aged 0-8 years
- Be able to demonstrate development of the skills required to care for babies and children aged 0-8 years.
- Have completed a recognised First Aid Course

Unit 3: Promoting Children's Development

On completion of this unit a learner should:

- Understand the expected patterns of development from 0-16 years
- Know how to promote development across age ranges
- Understand objectivity and ethics when observing children
- Understand the use of observation
- Be able to use techniques of observation to carry out a longitudinal child study.

Unit 5: Safeguarding Children

On completion of this unit a learner should:

- Understand indicators of potential child abuse
- Understand the requirements of legislation, regulation and codes of practice for safeguarding and protecting children
- Understand the principles of responding to disclosure
- Understand strategies for supporting children, their families and other adults.

Unit 38: Reflecting on Practice in the Children's Care, Learning and Development Sector

On completion of this unit a learner should:

- Understand roles and responsibilities within the Children's Care, Learning and Development Sector
- Be able to observe and identify the individual needs and skills of children
- Be able to reflect on own practices in work placement experiences.
- Have completed 60 hours of work experience

How will you be assessed?

Each unit is an assignment which is assessed and graded by your teacher.
Grades awarded are Pass, Merit, Distinction

What skills will Children's Care, Learning and Development help me develop?

The qualification will give you the knowledge, understanding and competency needed when considering entering employment in the children's care sector.

What can you do with this qualification?

Students who successfully complete the qualification would be able to apply to university to study at a higher level. With the international recognition of BTEC courses such as this, you can progress straight into employment. If successful there are a variety of potential careers that you can explore, all of which will benefit from your studies, for example: children's nurse or play therapist.

For further information: please see Ms N Carroll

What do I need to study Communications and Culture?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

At AS level, students will study personal communication such as body language and speech, as well as group communication and self-image. Candidates' own experience of their culture and cultural practices will also be explored.

Unit 1 Understanding Communication and Culture(exam) will cover:

- The nature and definitions of culture/high culture and popular culture, and their meanings and practices in everyday life.
- Verbal and non-verbal communication, group communication, identity and self-presentation.
- Reading images and cultural products

Unit 2 The Individual and Contemporary Culture (coursework) will cover:

- A piece of independent work (choice of topics provided by AQA) focusing on communication and the individual, cultural contexts and practices.

At A2, the specification builds on work covered at AS, with a greater focus on theories of communication as applied to contemporary culture.

Unit 3 Communicating Culture (exam) will cover:

- Close study of a cultural site e.g. places, objects of desire.
- Study of dominant and alternative approaches to the study of communication and culture.
- Investigating capitalism, consumerism and globalisation.

Unit 4 Communication and Culture in Practice (coursework portfolio) will cover:

- A major piece of independent work looking at our personal and social identities, and analysing social and cultural rituals. Choice of topics will be provided by AQA.

Examination structure:

AS LEVEL:

Unit 1 Understanding Communication and Culture:

Written Paper: 1 hour 45 minutes
 Weighting: 50% of total AS marks
 2 questions: short responses to statements on culture
 2 questions: analysis of a cultural practice or product

Unit 2 The Individual and Contemporary Culture:

Coursework portfolio: 500 word investigation, 1000 word exploration and presentat
 My Culture.
 Weighting: 50% of total AS marks

A2 LEVEL:

Unit 3 Communicating Culture:

Written Paper: 2 hours
 Weighting: 25% of total A Level marks
 1 compulsory question on key communication concepts and theory, as raised by u
 extract or text.
 1 essay from choice of 5 relating to cultural sites.

Unit 4 Communications and Culture in Practice:

Coursework portfolio comprising 2000 word case study and a web-based presentatio
 Weighting: 25% of total A Level marks

What skills will Communications and Culture help me develop?

Communications and Culture AS/A2 is designed to encourage students to:

- Develop an awareness of their culture and that of others, understanding the significance of tolerance and diversity
- To reflect on everyday life experiences

- To develop an awareness of how communication forms and sustains society
- Explore how we see ourselves and how we interact with those around us
- Develop a range of key skills such as analysis, understanding theories and relating them to real life, essay writing, working with others and presenting information to an audience. These skills are all transferable and can be applied to a range of contexts.

How will Communications and Culture help me?

Communications and Culture has always been a very popular and successful subject at Axe Valley. It is a humanities-type subject which attracts students across the ability range. It is an excellent subject to take if you are considering a career in the media, management or personnel, or indeed any people-based career, such as teaching.

It also works well alongside many other courses. Past students have often studied English Literature, History, Drama, Art and Business.

For further information, please see: Mrs Carroll or Miss White (English Department)

What do I need to study Economics?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

At AS level, students will develop a knowledge and understanding of how the business world operates at a national level. An interest in politics, in the broadest sense, is important. It is also important you possess an aptitude for Mathematics, as you will be required to interpret data and make assumptions from it. Some universities will look for the combination of Mathematics A level and Economics A level before allowing you to study for an Economics Honours degree. At A2, students will develop a knowledge and understanding of how the business world operates at a global level.

Unit 1, **Competitive Markets**, will cover:

- how the price mechanism allocates resources in markets.
- the nature of market failure
- supply and demand analysis to real world situations

Unit 2, **Managing the Economy**, will cover:

- objectives and instruments of economic policy criteria for success.
- basic Aggregate Demand/Aggregate Supply model.
- appropriate ways of managing an economy

At A2, the specification further develops knowledge of the legal system and of substantive Economics through criminal Economics. Evaluation of the concepts of Economics continues to be developed at this level of study.

Unit 3, **Business Economics and Economic Efficiency**, will cover:

- pricing of and nature of competition
- appraisal of government intervention in correcting market failure

Unit 4, **The Global Economy**, will cover:

- analysis and evaluation of economic models to assess government policies
- An awareness of trends and developments in the global economy over the last 10 years

Examination structure:**AS LEVEL:****Unit 1: Competitive Markets**

AS Examination length: 1 hour 30 minutes

Supported multiple-choice questions where candidates write a short justification of why they chose that answer and/or why the other answers are incorrect. Worth 32 marks.

One data response question out of a choice of two questions. Worth 48 marks.

Unit 2: Managing the Economy

AS Examination length: 1 hour 30 minutes

One data response question out of a choice of two questions. Worth 50 marks.

Last question of data response will be open ended. Worth 30 marks.

A2 LEVEL:**Unit 3: Business Economics and Economic Efficiency**

A2 Examination length: 1 hour 30 minutes

Supported multiple-choice questions. Worth 32 marks.

One data response question out of a choice of two questions. Worth 40 marks.

Unit 4: The Global Economy

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A2 Examination length: 2 hours

One essay answer with two parts from a choice of three topic areas. Worth 50 marks.

One data response question out of a choice of two questions. Worth 50 marks.

What skills will Economics help me develop?

The "Credit Crunch" has had an impact throughout the world. Economics will give you a significant insight into how the problem was created and the different approaches the Government throughout the world could have adopted. Thus Economics will help you understand the world around you!

Specifically, Economics AS/A2 is designed to encourage students to:

- develop and sustain their enjoyment of, and interest in, Economics
- develop knowledge and understanding of global issues
- develop the techniques of logical thinking and the skills necessary to analyse and solve problems by applying legal rules
- develop the ability to communicate arguments and conclusions with reference to appropriate economic theories and concepts
- develop a critical awareness of the changing nature of Economics in society.

How will Economics help me?

Economics is a well respected A level.

Other A levels that are useful for budding Economists include History, Law, Business and Mathematics. The skills needed in these disciplines are pre-requisites for any Economics student.

They are likely to find employment in finance, banking, insurance, accountancy, management and consultancy. Some become professional economists.

For further information, please see: Mr D Holland (Assistant Head teacher) or Mr B Pugsley (Head of Business)

What do I need to study English Literature?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

At AS level, students will follow a particular topic- The Victorians, Literature of World War I or The Struggle for Modern Identity- studying literature and the historical context of the time. Modern day writers will also be included. Close analytical reading, creative writing and essay techniques are the key skills covered. At A2, students will study texts on the theme of Love Through the Ages.

Unit 1 Texts In Context (exam) will cover:

- 1 poetry set text
- Wide reading in chosen area of study to include other poets, fiction and non-fiction.

Unit 2 The Creative Study (coursework) will cover:

- 1 set prose text as focus for personal response essay or creative writing
- 1 set drama text for study on context, themes, structure and characterisation

At A2, the specification synthesises skills and learning from the whole course under the theme of Love Through the Ages. Candidates will prepare for a final exam containing unseen passages for close study, comparison and critical commentary.

Unit 3 Reading For Meaning (exam) will cover:

- Reading and studying at least 3 texts on the theme of Love Through the Ages, to include all 3 genres of drama, prose and poetry. Texts will range from Chaucer to the modern day.

Unit 4 Extended Essay and Shakespeare Study (coursework) will cover:

- Studying 3 texts with a shared theme, one of which will be a Shakespeare play. The other two texts will be chosen by the student. The outcome will be a 3,000 word comparison of the three texts..

Examination structure:

AS LEVEL:

Unit 1 Texts in Context:

Written Paper: 2 hours

Weighting: 60% of total AS marks

2 questions: 1 on poetry set text, 1 on unseen passage linking wide reading to focus of given extract.

Unit 2 Creative Study:

Coursework folder 2,000-2,500 words: Two pieces 1 personal response to prose text or creative writing piece. 1 essay on drama text focusing on themes, characterisation, structure and context.

Weighting: 40% of total AS marks

A2 LEVEL:

Unit 3 Reading For Meaning:

Written Paper: 2 hour 30 minutes

Weighting: 60% of total A2/ 30% of total A Level marks

4 unseen extracts for close study, comparison and critical commentary.

Unit 4 Extended Essay and Shakespeare Study:

Coursework folder 3,000 words: 1 essay comparing 2 texts of students' choice with 1 Shakespeare play

Weighting: 40% of total A2/ 20% of total A Level marks

What skills will English Literature help me develop?

English Literature AS/A2 is designed to encourage students to:

- Develop and sustain their enjoyment of, and interest in reading texts from across genres and ages

- Develop knowledge and understanding of how historical context influences creative thought
- Explore and develop critical awareness of the techniques used by writers to shape meaning and influence our response
- Develop essay writing techniques and creative responses to texts.
- Explore comparisons and links between texts of different genres and ages

How will English Literature help me?

English Literature is a very well respected, academic A level subject. It is an ideal subject to take if you are considering a career in teaching, the media, law or management- in fact it is suited to the majority of non-scientific careers. To study English at university level you will need to take English Literature at A Level to show your commitment to and specialism in the subject.

English degree courses are amongst the most popular and are very competitive, so it is important that you understand how much your independent wide reading will give you an edge when applying.

English Literature works well in combination with the following subjects where skills of reading, analytical writing and response are also used: History, Drama, Law, Geography, Communication and Culture and Business. It also works well as an academic counterbalance to more creative, practical subjects like Art, Photography and Textiles.

For further information, please see: Mrs Carroll (English Department)

What do you need to study Further Maths?

The minimum requirement is for students to have achieved an A or A* at GCSE and to have opted for the Advanced Subsidiary GCE in Mathematics option.

What will you study?

The Further Maths A Level course consists of six components which run alongside the regular Maths A Level option. This option can only be taken having already opted for Maths AS/A2.

Units to be completed in Lower Sixth for an A/S Level:

Three A/S modules are delivered during Year 12:

- 1. FP1 (Further Concepts for Advanced Mathematics)** – Students develop an understanding of the rigour and technical accuracy needed for more advanced study of mathematics.
- 2. D1 (Decision Mathematics 1)** – Students are given experience of modelling and of the use of algorithms in a variety of situations. They develop their modelling skills and tackle problems requiring a diverse and flexible approach. Students are also expected to consider the success of their modelling, and to appreciate the limitations of their solutions.
- 3. NM (Numerical Methods)** – Students are encouraged to develop a repertoire of the simple numerical methods used to solve mathematical problems where an analytical method is not functional. The numerical methods are to be implemented using ICT and their relative merits are to be explored.

Units to be completed in Upper Sixth for an A Level:

Three A2 modules are delivered during Year 13. These are:

FP2 (Further Methods for Advanced Mathematics) – Students' knowledge of Pure Mathematics is extended, and associated techniques are explored.

Any 2 modules (depending on the students' aptitude during Year 12) from the following choices:

- FP3 (Further Applications for Advanced Mathematics)
- D2 (Decision Mathematics 2)
- M2 (Mechanics 2)
- S2 (Statistics 2)
- NC (Numerical Computation) and
- DE (Differential Equations)

Examination structure:

AS LEVEL:

The examination for D1 will be sat in January and those for FP1 and NM will be sat in June.

D1 - One examination lasting 1.5 hours and worth 72 marks. Section A: 3 questions each worth 8 marks (section total: 24 marks). Section B: 3 questions each worth 16 marks (section total: 48 marks).

FP1 – One examination lasting 1.5 hours and worth 72 marks. Section A: 5 to 7 questions worth up to 8 marks (section total: 36 marks)). Section B: 3 questions each worth about 12 marks (section total: 36 marks).

NM - One examination lasting 1.5 hours and worth 72 marks (80%) and one coursework task worth 18 marks (20%). The examination lasts for 1.5 hours and is made up of 2 sections. Section A: 5 questions worth up to 8 marks (section total 36 marks). Section B: 2 questions each worth about 18 marks (section total: 36 marks).

A2 LEVEL:

One of the A2 modules will be assessed in January and the other 2 will follow in June. The details for the only definite module to be studied in Year 13 are given below. For further details on the other possible choices please see Mr Leach (Head of Mathematics).

FP2 – One examination lasting 1.5 hours and worth 72 marks. Section A: 3 questions worth up to 18 marks (section total 54 marks). Section B: 1 of 2 questions each worth 18 marks (section total: 18 marks).

The assessment procedures for the other 6 possible modules differ slightly, but all will be assessed in either January or June.

After successfully completing the first year of the course, students will be awarded an A/S GCE in Further Mathematics based on the total marks achieved. Students who then go onto the successful completion of the second year will qualify for Advanced GCE in Further Mathematics. The grade awarded will be calculated by the total marks achieved.

What skills will Further Maths help me develop?

AS Further Mathematics introduces new topics such as matrices and complex numbers that are vital in many maths-rich degrees. Students who have studied Further Mathematics find the transition to such degrees far more straightforward. Studying Further Mathematics also boosts students' performance in AS/A-level Mathematics and many find it to be an enjoyable, rewarding, stimulating and empowering experience. For someone who enjoys mathematics, it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts. It also enables students to distinguish themselves as able mathematicians in the university and employment market.

How will Further Maths help me?

Any student planning to take a mathematics-rich degree (this covers a very wide range of academic areas - Engineering, Sciences, Computing, Finance/ Economics, etc., as well as Mathematics itself) will benefit enormously from taking Further Mathematics, at least to AS level.

Further Mathematics qualifications are highly regarded and are strongly welcomed by universities. Students who take Further Mathematics are really demonstrating a strong commitment to their studies, as well as learning mathematics that is very useful for any maths-rich degree.

For further information, please see: Mr I Leach (Head of Maths)

What do I need to study Geography?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

At AS level, a student will study:

Unit F761: Managing Physical Environments

- River environments
- Coastal environments
- Cold environments
- Hot arid / semi-arid environments

Unit F762: Managing Change in Human Environments

- Managing urban change
- Managing rural change
- The energy issue
- The growth of tourism

At A2 level, a student will study:

Unit F763: *Global Issues*

- Environmental issues: – Earth hazards (Option A1) – Ecosystems and environments under threat (Option A2) -Climatic hazards (Option A3)
- Economic issues: – Population and resources (Option B1) – Globalisation (Option B2) – Development and inequalities (Option B3)

Unit F764: Geographical Skills:

- Identifying a suitable geographical question or hypothesis for investigation
- Developing a plan and strategy for conducting the investigation
- Collecting and recording appropriate data
- Presenting the data collected in appropriate forms
- Analysing and interpreting the data.

Examination structure:

AS Level

Unit: Managing Physical Environments

Externally marked written exam paper

Time: **1 hr 30 minutes**

Marks: 75

Weight: **50%** of AS Level/**25%** A2 Level.

Unit: Managing Change In Urban Environments

Externally marked written exam paper

Time: **1 hr 30 minutes**

Marks: 75

Weight: **50%** of AS Level/**25%** A2 Level.

A2 Level

Unit: Global Issues

Externally marked written exam paper

Time: **2 hr 30 minutes**

Marks: 90

Weight: **30%** A2 Level.

Unit: Geographical Skills

Externally marked written paper-partly based on candidates' own investigation/research.

Time: **1 hr 30 minutes**

Marks: 60

Weight: **20%** A2 Level

What skills will Geography help me develop?

This qualification will give you an understanding of the human and physical world and enable you to recognise its importance to our future. You will develop an awareness of the complexity of interactions within and between societies, economies, cultures and environments at scales from local to global. This will enable you to recognise the challenges of sustainability and the implications for your own and others' lives.

How will Geography help me?

Geography is a well respected and useful A level. You may wish to use it in your future employment or study if further at degree level. There are many jobs which will benefit from this AS/A2 level qualification.

These are: Travel, Tourism, Management, Environmental Services, Scientific Services, Local Government, Retail Management, Civil Service, Estate Agency, Planning, Geological Survey, Hydrology, Map-making (Cartography), Accountancy, IT Management, Market

Research, Journalism, Radio, Television, Police, Teaching, University, Research, British Rail, Airline Management, Pilot, Architecture, Advertising and Armed Forces.

For further information, please see: Miss Bennett (Head of Geography)

What do I need to study Health and Social Care?

The normal A* to C pass rate to study advanced Level 3 courses.

What is a BTEC Level 3 Subsidiary Diploma in Health and Social Care?

The qualification will give an understanding of the underpinning knowledge and practical skills to provide you with the common core principles of health and social care enabling progression to employment or higher level education. The BTEC Level 3 Certificate in Health and Social Care is designed to be flexible so that it reflects individual career aspirations, therefore making it possible to enter a specific vocation or to explore more specialist aspects of job roles within the sector.

A BTEC **Subsidiary Diploma** is equivalent to one A level and gains UCAS Tariff points in the same way. This is a 2 year course but if half of the course is completed (one year of study) students may be awarded a **Certificate**, which is equivalent to an AS level.

What will I study?

You will be required to undergo 6 units of work in order to complete the course, including one which requires work experience.

Unit 1: Developing Effective Communication in Health and Social Care

On completion of this unit a learner should:

- Understand effective communication and interpersonal interaction in health and social care
- Understand factors that influence communication and interpersonal interaction in health and social care environments
- Understand ways to overcome barriers in a health and social care environment
- Be able to communicate and interact effectively in a health and social care environment.

Unit 2: Equality, Diversity and Rights in Health and Social Care

On completion of this unit a learner should:

- Understand concepts of equality, diversity and rights in relation to health and social care
- Know discriminatory practices in health and social care
- Understand how national initiatives promote anti-discriminatory practice

- Know how anti-discriminatory practice is promoted in health and social care settings

Unit 3: Health, Safety and Security in Health and Social Care

On completion of this unit a learner should:

- Understand potential hazards in health and social care
- Know how legislation, policies and procedures promote health, safety and security in health and social care settings
- Be able to implement a risk assessment
- Understand priorities and responses in dealing with incidents and emergencies.

Unit 4: Development Through the Life Stages

On completion of this unit a learner should:

- Know stages of growth and development throughout the human lifespan
- Understand potential effects of life factors and events on the development of the individual
- Understand physical and psychological changes of ageing.

Unit 9: Values and Planning in Social Care

On completion of this unit a learner should:

- Understand principles and values which underpin the planning of support for individuals
- Know processes involved in planning support for individuals
- Understand legislation, policies and codes of practice related to the planning of support for individuals
- Understand ethical principles in relation to providing support for individuals.

Unit 10: Caring for children and young people

On completion of this unit a learner should:

- Know why children and young people might need to be looked after
- Know how care is provided for looked after children and young people

- Understand the risks to children and young people of abusive and exploitative behaviour
- Understand the strategies used to safeguard children and young people from abusive and exploitative behaviour

How will you be assessed?

Each unit is an assignment which is assessed and graded by your teacher.

Grades awarded are Pass, Merit, Distinction

What skills will Health and Social Care help me develop?

The qualification will give you the knowledge, understanding and competency needed when considering entering employment in the care sector.

What can you do with this qualification?

Students who successfully complete the qualification would be able to apply to university to study at a higher level. With the international recognition of BTEC courses such as this, you can progress straight into employment. If successful there are a variety of potential careers that you can explore, all of which will benefit from your studies, for example: care worker, health care assistant or occupational health nurse.

For further information: please see Ms N Carroll

What do I need to study History?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

The first half of the 20th Century was an important time of Change in World History. In Britain, democracy continued to grow. But other parts of Europe (Italy and Germany) turned their back on Democracy and turned to dictators instead. The A/S course explores the reasons for these developments.

There are two units in A/S History

Unit 1: The Expansion of Nationalism

The Unit looks at two Fascist dictators – Mussolini and Hitler. The content of the unit is as follows.

- **Mussolini:** Reasons for the popularity of the Fascist Party in Italy after the First World War and why the existing government was unable to stop them. How and why Mussolini first became Prime Minister and then dictator. Mussolini's role in the build up to World War Two
- **Hitler:** Hitler's role in the formation of the Nazi party and its rise to power. The nature and policies of the Third Reich, including racism and the treatment of minorities and Jews. Reasons for Germany's defeat in the Second World War and the fall of the Third Reich.

Unit 2: Henry VIII Authority, nation and religion 1509-40

- Henry VIII and the quest for international influence; relations with France, Scotland and Spain.
- The structure of government: the role of Wolsey to 1529 and his relations with King, nobility and parliament.
- Henry's changing relations with the Catholic church and the break with Rome; the role of parliament in the early stages of the Reformation; the roles of Cranmer and Cromwell.
- The Dissolution of the monasteries: support for, and opposition to, religious change from 1529.

At A2, we explore the clash between different political systems in the mid-late 20th Century in the Cold War in Unit 3. This is supported with a depth study of Communist Russia in Unit 4.

Unit 3: A World Divided: Superpower Relations 1944-90

- Relations between the USSR and the West; the arms race, nuclear technology, delivery systems, Cuban Missile Crisis and the Test Ban Treaty; Sino-Soviet relations, alliances and confrontation in Asia and its impact on US policy; Détente, the Strategic Arms Limitation Talks, Helsinki Accords and the impact of economic realities.

Unit 4: The Making of Modern Russia, 1856-1964

- The nature of Tsarist rule, the structure of the Soviet system, the attempt to reform Stalin's Russia, comparison between dictators, communist leaders and Tsars

Examination structure:**AS LEVEL:****Unit 1:**

Written Paper: 1 hour 20 minutes

Weighting: 50% of total AS marks

Three questions from eight, one from three different sections.

Unit 2:

Written Paper: 1 hour 20 minutes

Weighting: 50% of total AS marks

One question on Mussolini's Italy and one question on Hitler's Germany

A2 LEVEL:**Unit 3:**

Written Paper: 2 hours

Weighting: 60% of total A2 / 30% of total A Level marks

Two questions – one testing knowledge and understanding and one testing source analysis.

Unit 4:

Written Paper: 2 hours

Weighting: 40% of total A2 / 20% of total A Level marks

An extended essay of approximately 4000 words.

What skills will Law help me develop?

History AS/A2 is designed to encourage you to:

- Develop a greater sense of enthusiasm for History through studying a broad and balanced range of interesting, though-provoking topics in depth.
- Improve your understanding of different cultures.
- Become more effective and independent learners – asking good questions and researching them
- Become critical and reflective thinkers with curious and enquiring minds.
- Gain an understanding into how Historians form interpretations – and into how you can create and support a winning argument of your own
- Organise and communicate your ideas effectively

How will History help me?

History qualifications are respected by employers and Universities so studying A/S or A2

History will open a wide range of careers to you:

- History is about **people** so it is useful for any job involving people (management, teaching, social work etc)
- History is about using **evidence**, so it is useful for any job involving investigation (detective work, lawyer librarian etc)
- History is about **communication** and **argument**, so it is useful for any job which involves getting your point of view across (barrister, advertising, politician, journalist etc)
- History is also a fascinating subject in it's own right. Many people study History just for **fun**!

For further information, please see: Mrs Baker or Mrs G. Morrison (Head of History)

What do I need to study Hospitality?

You should have at least 5 GCSE's at grades A*-C

What is a BTEC Subsidiary Diploma in Hospitality?

The BTEC Subsidiary Diploma in Hospitality will give you an understanding of some of the knowledge and skills needed when working in the Hospitality Industry. Hospitality is to do with providing food and drink to customers; A BTEC Subsidiary Diploma will give you the opportunity to progress to employment or a higher level education course. Study at this level (Level 3) is aimed at those who are likely to gain supervisory or managerial positions in the hospitality industry.

A BTEC **Subsidiary Diploma** is equivalent to one A level and gains UCAS Tariff points in the same way. This is a 2 year course but if half of the course is completed (one year of study) students may be awarded a **Certificate**, which is equivalent to an AS level.

What will I study?

You will be required to achieve 60 credits in order to complete the course. These are achieved by studying a range of Units. Units are worth a varying number of credits.

The Units you are likely to study will include:

- The Hospitality Industry

On completion of this unit a learner should:

- Understand what is meant by the hospitality industry and how businesses are organised.
- Know how hospitality businesses are classified and how they are supported by other industries.
- Principles of supervising Customer care and
- Customer care in Hospitality

On completion of these units a learner should:

- Understand how to develop a customer care culture, how to build teams and motivate colleagues and how to monitor levels of customer service performance.
- Provide customer care service in different situations and understand the role of communication, presentation and teamwork.
- Contemporary World Food

On completion of this unit a learner should:

- Know the commodities used in contemporary world food and be able to plan menus taking into account current developments.
- Present, cook and present contemporary world dishes and be able to evaluate their quality.

Other Units could include study about Financial Control, Planning and Managing a Hospitality Event and Environment and Sustainability in Hospitality.

How will you be assessed?

Assignments will be set for each Unit, which will be assessed and graded by your teacher. Grades awarded are Pass, Merit, Distinction

What skills will Hospitality help me develop?

The qualification will give you the knowledge, understanding and competency needed when considering entering employment in the Hospitality sector. This is not a catering qualification although practical food preparation and cooking will play a large part and is assessed in the Contemporary World Food Unit.

It would assist you during the course if you have a part time job in a hospitality or catering establishment or if you have contact with someone who works in a hospitality or catering establishment. Being able to visit a hospitality business regularly would be a definite advantage.

What can you do with this qualification?

Students who successfully complete the qualification would be able to apply to university to study at a higher level. With the international recognition of BTEC courses such as this, you can progress straight into employment. If successful, there are a variety of potential careers that you can explore, all of which will benefit from your studies, for example in a supervisory role or as a trainee manager in a large hotel or conference centre. You could enrol onto a more specialised catering qualification to help increase the possibilities open to you.

For further information: please see Miss E Kent

What do I need to study the Creative iMEDIA Certificate/Diploma?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study in Creative iMEDIA?

For the Creative iMedia Certificate, you will develop your knowledge of the functionality within a range of different software applications and your ability to use different applications effectively to complete tasks. To achieve this qualification, you need to complete a number of units with overall point value of 24 points

Unit 1 Pre-production skills (6 points)

This unit is designed to accredit your understanding of the methods of pre-production, design and planning and the reasons for employing these techniques. Legal and ethic issues of using pre-produced material will also be considered. The skills developed in this unit will be expected to be utilised in all future units.

Unit 2 Digital graphics editing (6 points)

This unit is designed to accredit your understanding of digital graphics, digital graphics sourcing and digital graphics image manipulation. You will develop competencies in using digital graphics software to source, manage, edit, and manipulate and save graphics files and further develop your skills in planning, testing and evaluating your own work.

Unit 3 Developing an enhanced website (6 points)

This unit is designed to accredit your understanding of the creation of an enhanced website. You will investigate a range of web sites to inform the planning process, plan a website structure to a client brief and understand how to use the web authoring program to create an enhanced website. These enhancements will include navigation, framesets, style sheets, layers, and rollover buttons. You will also understand how to manage and upload a website with consideration for accessibility and further develop your skills in planning, testing and evaluating your own work.

Unit 4 Creating an interactive digital animation (8 points)

This unit is designed to accredit your understanding of the creation of interactive digital animation. You will understand how to use a digital animation program to inform the planning process and to create an animation which contains interactivity. This interactivity will include buttons, rollovers, scenes, playback and the control of media. You will also understand how to import and edit sounds into a digital animation, how to optimise the digital animation for publishing and further develop your skills in planning, testing and evaluating your own work.

Students can choose to continue to study this qualification in the Upper Sixth and gain the Creative iMEDIA Diploma

For the Creative iMedia Diploma, you will further develop your knowledge of the functionality within a range of different software applications and your ability to use different applications effectively to complete tasks.

To achieve this qualification, candidates must complete further units upto a total of 45. The units will be chosen from the following units, the subject teacher will make the decision about which units covered based upon the strengths of the students enrolled.

The most likely units to be studied are the following:

- Video composite effects (7 points)
- Creating a digital sound track (6 points)
- Creating a digital video sequence (6 points)

Assessment:

Assessment will take the form of practical activities which are locally assessed by the centre and externally moderated by OCR the examination board. There are no examinations for this qualification. For each unit you will build a portfolio of evidence for final assessment that covers the unit assessment objectives. This assignment must be carried out independently. In order to achieve a pass in a unit, you must demonstrate and evidence skills in each assessment objective.

What skills will Creative iMedia help me develop?

Here are some examples of skills you can gain with iMedia

Publish Design, manage & upload a website, insert layers & rich media objects.
Animate Create and optimise an interactive digital animation sequence.
Create Produce and edit a short video sequence.
Play Design a digital game, utilising sound effects to enhance game play.
Design Edit a digital graphic / produce, author & evaluate multimedia content / plan & develop digital sound files

How will the Creative iMedia qualification help me?

The Creative iMedia qualification as well as preparing you for any further study that requires the use of computers, it will enable you to specialise or enter into a wide range of interactive media jobs including:

- web designers
- graphic artists
- multimedia producers
- animators
- sound designers
- storyboarder

For further information, please see: Mr K Cumming (Head of ICT)

What do I need to study Law?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

At AS level, a student will develop a knowledge and understanding of the legal system and an ability to evaluate its operation and performance.

The specification introduces substantive law and requires simple application of aspects of criminal law and civil tort law.

Unit 1 will cover:

- parliamentary law making, delegated legislation, statutory interpretation and judicial precedent
- the civil courts and other forms of dispute resolution, the criminal courts and lay people, the legal profession, and other sources of advice and funding, and the judiciary.

Unit 2 will cover:

- the underlying principles of criminal liability and an outline of the courts (procedure and sentencing)
- liability in negligence and an outline of the courts (procedure and damages)

At A2, the specification further develops knowledge of the legal system and of substantive law through criminal law. Evaluation of the concepts of law continues to be developed at this level of study.

Unit 3 will cover:

- fatal offences against the person including murder, voluntary manslaughter, involuntary manslaughter, non-fatal offences against the person and defences, including evaluation of all of these

Unit 4 will cover:

- negligence, occupiers' liability, nuisance and escape of dangerous things, vicarious liability, defences and remedies **and**
- law and morals, law and justice, judicial creativity, fault and balancing conflicting interests.

Examination structure:

AS LEVEL:

Unit 1:

Written Paper: 1 hour 30 minutes
Weighting: 50% of total AS marks
Three questions from eight, one from three different sections.

Unit 2:

Written Paper: 1 hour 30 minutes
Weighting: 50% of total AS marks
One question on Criminal Law and one question on Tort Law.

A2 LEVEL:

Unit 3:

Written Paper: 1 hour 30 minutes
Weighting: 50% of total A2/25% of total A Level marks
One three-part question on Criminal Law (Offences against the Person)

Unit 4:

Written Paper: 2 hours
Weighting: 50% of total A2/25% of total A Level marks
One two-part question based on a scenario in Tort Law and one synoptic essay on Concepts of Law.

What skills will Law help me develop?

Law AS/A2 is designed to encourage students to:

- develop and sustain their enjoyment of, and interest in, law
- develop knowledge and understanding of selected areas of the law of England, Wales and Northern Ireland
- develop an understanding of legal method and reasoning
- develop the techniques of logical thinking and the skills necessary to analyse and solve problems by applying legal rules
- develop the ability to communicate legal arguments and conclusions with reference to appropriate legal authority
- develop a critical awareness of the changing nature of law in society.

How will Law help me?

Law is a well respected A level. If you wish to have a Legal career, then Law is an ideal course for you to study. Law is completely compatible with any Law degree. It acts as proof of your interest in Law, if you wish to study it at University.

Since enrolling on a Law course is extremely competitive it is essential you are able to demonstrate your interest in such a career in many different ways. Visits to courts and work experience in a Solicitors office are two sources of evidence. Studying a Law A Level is another.

Other A levels that are useful for budding lawyers include History and English Literature. The skills needed in these disciplines are pre-requisites for any Law student.

Alternative course:

BTEC Applied Law is also available to study. This is a 100% coursework option. Topics covered are the same as for AS/A2 Law and is delivered at the same time. However this course offers maximum flexibility for those students struggling to achieve examination success. Additionally, Contract Law is examined as one of the six modules for the Subsidiary Diploma qualification.

For further information, please see: Mr D Holland (Assistant Head teacher)

What do you need to study Maths?

The normal A* to C pass rate to study advanced Level 3 courses plus a B or better in GCSE Maths achieved by studying the higher tier paper.

What will you study?

The six components of this course allow students of various abilities to access mathematics beyond GCSE, preparing them to read mathematics at university or supporting their eventual study of other subjects in higher education. The syllabus was devised by the curriculum development body, "Mathematics in Education and Industry", aiming to promote links between Education and Industry in mathematics.

Three A/S modules are delivered during Year 12 and students will be assessed for each unit in June Year 12. The modules are:

- **C1 (Introduction to Advanced Mathematics)** – Students build on and develop the techniques they have learnt at GCSE so that they acquire the fluency required for advanced work.
- **C2 (Concepts for Advanced Mathematics)** – Students are introduced to a number of topics which are fundamental to the advanced study of mathematics.
- **S1 (Statistics 1)** - Students build on and extend the data handling and sampling techniques they have learned at GCSE. They apply theoretical knowledge to practical situations using simple probability models. Students are given an insight into the ideas and techniques underlying hypothesis testing.

Three A2 modules are studied. These are:

- **C3 (Methods for Advanced Mathematics)** - Students build on and develop the techniques they have learnt at AS level, with particular emphasis on the calculus. This module consists of 80% examination and 20% coursework.
- **C4 (Applications of Advanced Mathematics)** - Students develop the work in C1, C2 and C3 in directions which allow it to be applied to real world problems.
- **M1 (Mechanics 1)** - Students are introduced to mathematical modelling and to the basic concepts in kinematics, statics and dynamics which underlie the study of mechanics. They will be expected to formulate models, using the mechanics within the specification, and to show an appreciation of any assumptions made; they will also be expected to make simple deductions from the model and to comment on its

usefulness. The examination will test candidates' knowledge of principles without excessive emphasis on algebraic or calculus skills.

Examination structure:**AS LEVEL:**

The 3 examinations for C1, C2 and S1 will be sat in June.

C1 Unit– One examination lasting 1.5 hours and worth 72 marks. Section A: 8 to 10 questions each worth no more than 5 marks (section total: 36 marks). Section B: 3 questions each worth about 12 marks (section total: 36 marks).

C2 Unit- One examination lasting 1.5 hours and worth 72 marks. Section A: 8 to 10 questions each worth no more than 5 marks (section total: 36 marks). Section B: 3 questions each worth about 12 marks (section total: 36 marks).

S1 Unit- One examination lasting 1.5 hours and worth 72 marks. Section A: 5 questions worth up to 8 marks (section total: 36 marks). Section B: 2 questions each worth about 18 marks (section total: 36 marks).

A2 LEVEL:

C3 Unit– One examination to be sat in January Year 13 worth 80% of the marks. One coursework task to be completed during the Autumn term worth 18 marks (20%). The examination lasts for 1.5 hours and is made up of 2 sections. Section A: 5 to 7 questions worth up to 8 marks (section total 36 marks). Section B: 2 questions each worth about 18 marks (section total: 36 marks).

C4 Unit– One examination consisting of 2 papers to be sat in June.

Paper 1 lasts for 1.5 hours and is worth 72 marks. Section A: 5 to 7 questions worth up to 8 marks (section total 36 marks). Section B: 2 questions each worth about 18 marks (section total: 36 marks).

Paper 2 is a comprehension paper that lasts for 1 hour and is worth 18 marks.

M1Unit– One examination lasting 1.5 hours, to be sat in June and made up of 2 sections. Section A: 5 questions worth up to 8 marks (section total 36 marks). Section B: 2 questions each worth about 18 marks (section total: 36 marks).

What skills will Maths help me develop?

If you enjoy Maths and feel confident with the work you have met so far at GCSE, then you should seriously consider Maths AS or A-level. It is a demanding and challenging subject but it can be an extremely rewarding one if you are prepared to put in time and effort. Throughout, the emphasis is on understanding and interpretation rather than on mere routine calculations. An appreciation of the elegance or neatness of proofs and solutions to challenging mathematical problems is encouraged. Students will learn how mathematical techniques underpin many other branches of academic study as well as recurring continually in the training of technical and management staff in industry and commerce.

How will Maths help me?

Mathematical ability is very highly regarded by both universities and employers. An A-Level in maths is essential for many degree courses (such as physics, engineering and, of course, mathematics itself!), and is highly desirable in a wide range of subjects such as chemistry, natural sciences, architecture, computing, accounting etc. There is a national shortage of mathematicians, and employment prospects are good. To get some idea of careers open to those studying maths at A-Level and beyond, take a look at the careers section at www.plus.maths.org or try www.mathscareers.org.uk

A wide range of career options also means a chance to earn more money: a recent study, conducted by economists at the University of Swansea, showed that maths and computing degrees make the biggest difference to lifetime earnings. On average, a maths and computing can expect to earn £220,000 more in his or her lifetime than a person leaving education with two A levels.

For further information, please see: Mr I Leach (Head of Maths)

What do I need to study Enterprise and Entrepreneurship

You should have at least 5 GCSE's at grades A*-C

What is a BTEC National Diploma in Enterprise and Entrepreneurship

This is the course where you will learn by doing!

The qualification has been developed in partnership with the National Enterprise Academy (NEA), in consultation with entrepreneurs and business people, experienced teachers and learners. The design principles have been to develop a qualification that: **requires learners to start up and run a fully functioning legal business** to develop their entrepreneurial skills. The course requires learners to focus on their own self development through the start-up process, ensures that learners interact with entrepreneurs and business people throughout the course of their study, so that they can learn from experienced professionals.

The NEA has been established by Peter Jones of the BBC's **Dragons Den**.

BTEC Level 3 Subsidiary Diploma in Understanding Enterprise and Entrepreneurship (equivalent to 1 A level)

The BTEC Level 3 Subsidiary Diploma in Understanding Enterprise and Entrepreneurship provides learners with underpinning knowledge to plan a business but does not provide competence to set up and run a micro business.

What will I study?

The Edexcel BTEC Level 3 Subsidiary Diploma in Understanding Enterprise and Entrepreneurship is a 60-credit and 360-guided-learning-hour (GLH) qualification that consists of three mandatory units **plus** optional units that provide for a combined total of 60 credits.

Unit	Mandatory Units	Credit	Level
1	The Innovative Entrepreneur On completion of this unit a learner should: 1 Understand how entrepreneurs are creative 2 Be able to encourage creativity 3 Be able to assess proposals developed from new ideas 4 Be able to develop own entrepreneurial skills and	5	3

	attributes.		
2	Business Planning and Pitching On completion of this unit a learner should: 1 Be able to develop a business idea 2 Be able to develop a marketing plan 3 Be able to use financial techniques for planning a business 4 Know legal provisions which affect micro businesses 5 Be able to develop a business plan 6 Be able to present a pitch for business funding.	15	3
8	Leadership and Teamwork On completion of this unit a learner should: 1 Understand the importance of teams 2 Understand leadership attributes and skills 3 Be able to contribute effectively as a team member and leader 4 Be able to assess effectiveness of team performance.	10	3
Unit	Optional units		
9	Working as an Intrapreneur	10	3
10	Market Research and Analysis	10	3
11	Financial Literacy and Awareness	5	3
12	Business in an International Context	5	3
13	E-marketing and Website Design	10	3
14	Brand Development and Promotion	5	3
15	Social Enterprise	10	3

BTEC Level 3 Diploma in Enterprise and Entrepreneurship (equivalent to 2 A levels)

The BTEC Level 3 in Enterprise and Entrepreneurship provides learners with competence in setting up and operating a micro business.

The BTEC Level 3 Diploma in Enterprise and Entrepreneurship is a 120-credit and 720-guided-learning-hour (GLH) qualification that consists of 8 mandatory units **plus** optional units that produce a combined total of 120 credits.

Unit	Mandatory Units	Credit	Level
1	The Innovative Entrepreneur	5	3
2	Business Planning and Pitching	15	3
3	Financial Planning and Implementation On completion of this unit a learner should: 1 Know sources of funding for establishing new business operations 2 Know sources of business enterprise financial advice and guidance 3 Be able to prepare a cash-flow forecast 4 Be able to use budgetary techniques 5 Be able to prepare business accounts.	10	3
4	Launching your Business Vision On completion of this unit a learner should: 1 Be able to develop values and ethics for a business 2 Be able to set up a supply chain 3 Be able to negotiate purchases 4 Be able to start trading.	10	3
5	Monitoring the Performance of your Business On completion of this unit a learner should: 1 Be able to satisfy customer needs 2 Be able to maintain systems needed to supply goods and services 3 Be able to monitor business performance 4 Be able to monitor a business' adherence to its legal and ethical commitments.	15	3
6	Operating your Business On completion of this unit a learner should: 1 Be able to manage own time 2 Be able to network 3 Be able to respond to market opportunities 4 Understand how the business environment impacts upon a micro business 5 Know how to take action to respond to changes in the business environment.	10	3
7	Planning the Future Strategy of your Business On completion of this unit a learner should:	10	3

	1 Understand how micro businesses expand 2 Be able to assess the potential of the existing business to achieve a vision 3 Know how to employ other people 4 Understand how to manage staff 5 Understand how to develop options for achieving expansion.		
8	Leadership and Teamwork	10	3
Unit	Optional Units		
9	Working as an Intrapreneur	10	3
10	Market Research and Analysis	10	3
11	Financial Literacy and Awareness	5	3
12	Business in an International Context	5	3
13	E-marketing and Website Design	10	3
14	Brand Development and Promotion	5	3
15	Social Enterprise	10	3

How will you be assessed?

Each unit is an assignment which is assessed and graded by your teacher. Grades awarded are Pass, Merit, or Distinction.

What skills will BTEC National Diploma in Enterprise and Entrepreneurship help me develop?

The qualification will give you the knowledge, understanding and competency needed when considering starting your own business or seeking employment in a business context.

What can you do with this qualification?

Students who successfully complete the qualification would be able to apply to university to study at a higher level. With the international recognition of BTEC courses such as this, you can progress straight into employment. If successful there are a variety of potential careers that you can explore, including running your own business, all of which will benefit from your studies.

For further information: please see Mr B Pugsley

Visit : <http://www.edexcel.com/quals/nationals10/enterprise/Pages/default.aspx>

What do you need to study Performing Arts?

The normal A* to C pass rate to study advanced Level 3 courses. You will also need to be able to play an instrument or sing.

You do not need to have previously studied GCSE Music. An ability to read and write music is not required. The focus of this course is on creativity and skills development.

An understanding or experience with using ICT would also be useful.

What will you study?

At AS Level:

You will:

- learn about types of art organisations and the range of 'products' produced; job roles within performing arts organisations.
- have the opportunity to develop your professional practice and explore new skills in your specialist art form.
- apply your performance skills and present a showcase where you will aspire to professional standards.

At A2 Level:

You will:

- learn about current working practices in the business, focusing on self-promotion; attitudes and survival skills; managing practical resources.
- produce a self-promotion pack, an outline of the range of work you consider possible during your first year as a professional and a written analysis and evaluation of your plan and self-promotion pack, including a strategy for future professional development and work.
- work as part of a company to produce and perform two contrasting pieces, one contemporary and one historical.
- produce a final showcase demonstrating your mastery of appropriate performance skills.

Examination structure:

AS LEVEL:

- **AS unit 1:** Investigating performing arts organisations
- **AS unit 2:** Professional practice: skills and development
- **AS unit 3:** Professional practice: performance (optional)
- **AS unit 4:** Professional practice: production (optional)

A2 LEVEL:

- **A2 unit 5:** Getting work
- **A2 unit 6:** Exploring repertoire
- **A2 unit 7:** Producing your showcase (optional)
- **A2 unit 8:** Production demonstration (optional)

There are no written exams, and assessment is solely through portfolio and performance which are internally assessed and externally moderated.

What skills will Performing Arts help me develop?

This GCE in Music Performance gives students

- an understanding of all aspects of music as a Performing Art and combines it with the opportunity to specialise in the practical skill of performance.
- While developing your own skills, a student will simultaneously gain insights into the nature of the Music Industry. Current employment opportunities, constraints and the issues facing professionals working within the industry are all reflected in the course.
- The qualification encourages talent by offering a genuinely practical approach.
- The vocational emphasis of this qualification encourages students to apply working methods used by professionals – as individuals, in teams, and with clients, commissioners and audiences.

How will Performing Arts help me?

The GCE in Music Performance Arts qualifies for UCAS points and is a nationally recognised A level qualification. You could move on to study for a degree or a BTE Higher National Diploma in Performing Arts.

You could also go straight on to relevant employment.

For further information, please see: Mr Jevons

What do I need to study Photography?

Students will need the normal A* to C pass rate to study advanced Level 3 courses.

Students will enrol on the first day of the course in September when a £15 fee needs to be paid. This is used to pay for their black work books for the course and other items that they will be provided with such as photographic paper.

The photography department has a good collection of SLR film cameras and high quality digital cameras for the students on the course; but, where possible, it is desirable for students to use their own. The college has a well-equipped darkroom with five enlarger bays and this will cater for the printing needs of this course. A bank of computers and printers run with Adobe Photoshop 6 allow for good quality digital manipulation and printing.

Photographic materials are expensive and need to be used carefully. The students will be supplied with a set number of films and three boxes of photographic paper for use over the year. If their work exceeds this allocation, they will need to purchase further materials for their use. There is usually little need for this to happen.

Students will be provided with folders for the storage of negatives and prints and will be advised on a wide range of techniques for the presentation of their work.

What will I study?

The course is designed to develop your technical ability in creating photographic images. It aims to encourage your creativity through the development of your work. It aims to nurture your thirst for learning. It aims to build an appreciation of the historical and social role photography plays in our culture. It seeks to clarify and deepen your ability for visual expression.

The course we are following is the Photography endorsement of AQA's A/S level Art and Design syllabus. This course caters for students who wish to develop their skills and understanding in the photographic process and who wish to use these skills to develop a body of practical based work in response to visual, social and expressive concerns.

The course will be largely practical in content, and use black and white film based processes as well as digital photography as its main vehicle of production.

The year will be split into two main sections. The first will be a technical introduction to establish a base level of skill (prior knowledge of photographic processes is not necessary for the course). This will be used to build on your level of expertise and develop a more personal approach to the subject that will be presented as a portfolio. The second section will be the exam. This is largely practical in form and has a long period of preparation before the 5 hour exam session.

Unit One - People and Places

- **Technical Introduction**
- **Development of practical skills**
- **Developing of a project**
- Exploration of personal theme
- Presentation of a portfolio

Unit Two – The Exam

- Papers handed out after 1st Feb for preparation time

Examination structure:

AS LEVEL:

Unit 1:

Weighting: 50% of total AS marks

Unit 2:

5 hour exam

Weighting: 50% of total AS marks

What skills will Photography help me develop?

All Photography projects will be marked to these criteria and each criteria receive equal weighting:

- Develop your ideas through investigations, linking your work with other artists and demonstrating a critical understanding.
- Experiment with a range of different materials refining your ideas as it develops.
- Record observations relevant to your intentions, and reflect on your work.
- Present a meaningful final piece that fulfils your intentions and where appropriate makes connections with other elements of your work.

How will Photography help me?

The grades at A level for photography are usually high, so if you need UCAS points this is a good subject to study. Image making is a key skill in many work environments and the ability to create good photographic images that communicate clearly and accurately is important. Alongside this photography is a degree subject in its own right and these courses give you clear progression routes into the industry.

For further information, please see: Mr C Sinclair (Head of Art)

What do I need to study Physics?

The normal A* to C pass rate to study advanced Level 3 courses in addition to a science grade B or above in Additional Science/Physics.

What will you study?

At **AS level**, a student will build and expand on the Physics covered in KS4, and develop a deeper, quantitative approach to other aspects of Physics.

Unit 1 will cover:

- Linear motion
- Acceleration
- Vectors and coplanar vectors
- Gravity and Gravitational field strength
- Kinetic energy and work done.

Unit 2 will cover:

- Waves
- DC Electricity
- Wave / Particle duality
- Light and Energy

Unit 3 will be either a:

- Applied Physics practical
- Case study
- Visit and practical

At **A2 level**, Physics becomes more exciting with concepts been taught that are not in the realms of classical or Newtonian physics that students have been used to. The Physics here develops further knowledge and understanding of some of the basic principles of life and asks some challenging but interesting questions.

Unit 4 will cover:

- Electric and Magnetic fields
- Particle Physics

Unit 5 will cover:

- Thermal energy
- Nuclear decay
- Simple Harmonic motion
- Astrophysics and Cosmology

Unit 6 will cover:

- Experimental Physics

Examination Structure:

AS level

Unit 1

Written paper. 40% of total AS marks, 20% of total GCE mark

Unit 2

Written paper. 40% of total AS marks, 20% of total GCE mark

Unit 3

Experiment or case study, Internally assessed. 20% of total AS marks. 10% of total GCE mark.

A2 level

Unit 4

Written paper. 40% of the total A2 marks. 20% of total GCE mark

Unit 5

Written paper. 40% of the total A2 marks. 20% of total GCE mark

Unit 6

Experimental Physics. 20% of total A2 marks. 10% of the total GCE marks

What skills will I gain?

- Develop a deeper knowledge and understanding of the world around us
- Develop and sustain the enjoyment of Physics
- Encourages and develops mathematical skills
- Encourages and develops problem solving abilities
- Develops practical and experimental procedures.

How will Physics help me?

Physics is a well respected A level. It is a basis for a lot of other disciplines such as Engineering, Architecture, Medicine, Astrophysics, Cosmology, Chemical and Design Engineering, Aerospace and many more. It can also be used in other areas such as Finance or Business.

Having Physics at A level will seriously enhance your chance of getting into the University of your Choice, even if you don't need it for the discipline you eventually enter into.

For Further information please speak to Ms Adam or Mr Hansford (Head of Science)

What do I need to study Product Design AS/A2?

The normal A* to C pass rate to study advanced Level 3 courses.

What will you study?

The Product Design course specification encourages candidates to take a broad view of design and technology.

It develops candidates' capacity to design and make products and to appreciate the complex relations between design, materials, manufacture and marketing.

You will study a variety of resistant materials so that you understand their working characteristics, physical properties, cost and availability which influence the choice of materials in design situations.

Unit 1 will cover:

- Developing an understanding of the physical and mechanical properties in a broad range of materials and components
- The broader issues for the designer including the environmental sustainability of products and their manufacture
- Methods in which materials and components can be manipulated to manufacture products
- Health and safety issues relevant to working with materials
- Computer aided design (CAD) and computer aided manufacture (CAM)
- Ergonomics and anthropometrics, inclusive design, and consumer safety
- The life cycle of products including manufacture, use and functional aspects and final disposal.

Unit 2 will cover:

A design and make project with a written (or electronic) design portfolio and manufactured outcome(s). Coursework may take a number of forms; a single design-and-make project, two smaller projects and/or a portfolio of work.

Unit 3 will cover:

This paper is based primarily on Design and Manufacture.

- Classifying materials and identifying, testing and comparing their application to product manufacture
- The implications of Health and Safety as an element of design activity
- Examination of alternative designs and redesigning existing products
- Use of natural resources, materials utilisation, conservation, waste disposal/management, pollution, recycling
- Appreciation and understanding of the use of CAM for industrial production

Unit 4 will cover:

A "design and make project" with a written (or electronic) design folder and manufactured outcome(s).

Candidates submit evidence of a single, substantial designing and making activity.

Examination structure:

AS LEVEL:

Unit 1:

Written Exam: 2 hours

Weighting: 50% of total AS / 25% of total A Level marks

This paper is based primarily on Materials and Components, consisting of **Section 1** - compulsory limited response questions, **Section 2** - a choice of one question from two, **Section 3** - one compulsory question.

Unit 2:

Coursework: Approx 50 hours

Weighting: 50% of total AS / 25% of total A Level marks

A2 LEVEL:

Unit 3:

This paper is based primarily on Design and Manufacture. It is the Synoptic paper. It consists of two sections with a choice of three questions from six. Candidates are required to answer one question from each section and also a final question from either section. This written paper will include sufficient synoptic assessment to test the candidates' understanding of the connections between the different elements of the subject and their holistic understanding of the subject.

Unit 4:

Coursework: Approx 60 hours

Weighting: 25% of total A Level marks

What skills will Product Design help me develop?

Product Design will help you develop design skills and bring out your ingenuity. The course will help you learn how to undertake a prolonged project designing and making products in timber, plastic and/or metal. It will also develop your factual learning skills.

How will Product Design help me?

Product Design is a practical and theoretical course so it will help you if you are talented in making and interested in technology and materials science.

After studying Product Design A level you could go on to study further in the field of design and manufacture. This A level course is useful if you wish to pursue a career in many design fields such as architecture, 3D design and/or engineering. For example we have had past students who have gone on to study Industrial Design and Architectural Model Making.

For further information, please see Mrs Stone or Miss Bacon

What do I need to study Psychology?

The normal A* to C pass rate to study advanced Level 3 courses.

What is Psychology?

Psychology is a science. It is the study of the individual. It seeks to explain how we learn, why we behave in particular ways and how we think. Essentially, psychology is interested in what makes people tick. Therefore Psychology also covers issues such as mental illness.

What will you study?

In your first year you will study the different approaches to Psychology. These different approaches give different explanations for human behaviour; they also suggest different forms of treatment for those that display abnormal behaviour.

Unit 1 will cover:

The key approaches

- Biological
- Behavioural
- Cognitive
- Psychodynamic

Unit 2 will cover:

Core studies and applied research methods:

- Ten studies in Psychology
- Research methods used in Psychology

What exams will I have to take?

AS Level:

Unit 1: Approaches in Psychology

Written Paper: 1 hour 15 minutes

Weighting: 40% of the total AS marks

Short and long answer questions based on the approaches

Unit 2 – Core studies and research methods

1 hour 45 minutes

Weighting: 60% of the total AS marks

Short and long answer questions based on the studies and research methods

A2 Level:

If you successfully complete AS and wish to take the full A Level then you will study research methods in greater depth and may study mental illness (schizophrenia and depression), sleep and human relationships.

There is no coursework

What skills will Psychology help me develop?

Psychology AS/A2 is designed to encourage students to:

- View the world around you from different perspectives.
- Plan and conduct scientific investigations.
- Analyse and interpret data.
- Learn critical reasoning skills
- Put across your point of view fluently

What subjects does Psychology work well with?

Psychology students often also study Sociology, Health and Social Care, Biology, English and Sports Studies. But students, who want a career in any of the caring services, or in marketing or business, will find an understanding of Psychology useful.

Where will Psychology take me?

Many students choose to study Psychology at university. This could lead to a specialist career in Psychology (for example becoming a Forensic Psychologist or a Sports Psychologist). Psychology is applicable to virtually every career, as most careers involve working with people. In the past, students with a Psychology A Level have gone into careers in the health profession, worked in business, trained to become teachers and entered the police force.

For further information, please see: Miss King

What do I need to study Sociology?

The normal A* to C pass rate to study advanced Level 3 courses.

What is Sociology?

Sociology is the study of society. If you are interested in contemporary, modern Britain and want to acquire knowledge and a critical understanding of the social world in which you live then choose Sociology. You will learn to develop your skills in organising and presenting information, ideas, descriptions and arguments.

What will I study?

The AS course consists of 2 modules. In the first module, you will study *Families and Households*. In this module you will learn how the family has changed and debate the roles and relationships within the family.

In the second module, you will study the *Sociology of Education*. In this module you will learn how and why some groups do better than others and consider changes in schools and education.

You will then study *Research Methods* and seek to understand how Sociologists have used these to study issues in education.

If you successfully complete your AS course, you can continue through to A2.

This course is likely to include:

- *The Sociology of Religion* (how the purpose and importance of Religion has changed over time) or *Power and Politics* (how power is distributed and what is the role of political parties);
- An *analytical examination* of the different theories in Sociology, as well as revisiting the different research methods used;
- *Crime and Deviance* (why some groups are more likely to commit offences than others and the impact of crime on society).

What exams do I have to take?

Each module will end with an exam. You will sit the one hour exam for your first module (Families and Households) in January. The second exam (Education and Research Methods) will be sat in May and will be 2 hours long.

There is **no coursework** for the AS qualification.

Examination structure:**AS LEVEL:****Unit 1: Families and Households**

40% of AS, 20% of A Level. Written paper, 1 hour. 60 marks. Candidates choose one topic from three and answer one question. NB: students will only learn about one topic (Families and Households). Each question consists of five parts.

January and June

Unit 2: Education with Research Methods

60% of AS, 30% of A Level. Written paper, 2 hours, 90 mark. Candidates choose one topic and answer one question on the chosen topic, one question on sociological research methods in context and one question on research methods. NB: students will only learn about one topic (Education and Research Methods)

January and June

Where can Sociology lead?

Students of Sociology go on to a hugely diverse range of careers and H.E. courses, from jobs in the media, such as researchers and journalists, to teaching, police work, social work, health care – the list is endless!

There is also a wide variety of opportunities in all aspects of social research, such as youth services, criminal justice system, education, etc.

What makes a successful Sociology student?

An interest in social and political issues; a willingness to participate; an ability to write effectively; effort and initiative; keeping up to date with the news, documentaries, etc; respecting and listening to other people's views.

A detailed course specification is available on the exam board website: www.aqa.org.uk

For further information, please see: Miss King

BTEC SPORT National Diploma (Development, Coaching and Fitness)

What do I need to study Sport?

You should have at least 5 GCSE's at grades A*-C. An A*-C grade in GCSE PE would be essential, along with a long term interest in Sport and Physical Activity.

What is a BTEC National Diploma in Sport

The BTEC National Diploma in Sport provides you with an understanding of the essential skills needed when looking to build a career in the sports sector. The qualification will give you insight into the various different occupational routes you can take within the sector, plus help you to progress in existing employment, or move on to further study. This course is equivalent to two A levels and you will have 8 lessons per week. (Two option blocks)

What will I study?

You will have 8 lessons per week.

You will be required to undergo 13 units of work in order to complete the course, which will include:

The Principles of Anatomy & Physiology in Sport

On completion of this unit a learner should:

- 1 Know the structure and function of the skeletal system
- 2 Know the structure and function of the muscular system
- 3 Know the structure and function of the cardiovascular system
- 4 Know the structure and function of the respiratory system
- 5 Know the different types of energy systems.

The Physiology of Fitness

On completion of this unit a learner should:

- 1 Know the body's response to acute exercise
- 2 Know the long-term effects of exercise on the body systems
- 3 Be able to investigate the physiological effects of exercise on the body systems.

Assessing risk in Sport

On completion of this unit a learner should:

- 1 Know the key factors that influence health and safety in sport

- 2 Be able to carry out risk assessments
- 3 Know how to maintain the safety of participants and colleagues in a sports environment
- 4 Be able to plan a safe sporting activity.

Leadership in Sport

On completion of this unit a learner should:

- 1 Know the qualities, characteristics and roles of effective sports leaders
- 2 Know the importance of psychological factors in leading sports activities
- 3 Be able to plan a sports activity
- 4 Be able to lead a sports activity.

Fitness Training & Programming

On completion of this unit a learner should:

- 1 Know different methods of fitness training
- 2 Be able to plan a fitness training session
- 3 Be able to plan a fitness training programme
- 4 Be able to review a fitness training programme.

Practical Individual Sports

On completion of this unit a learner should:

- 1 Know the skills, techniques and tactics required in selected sport
- 2 Know the rules and regulations of selected sport
- 3 Be able to assess own performance in selected sport
- 4 Be able to assess the performance of teams in selected sport.

Practical Team Sports

On completion of this unit a learner should:

- 1 Know the skills, techniques and tactics required in selected sport
- 2 Know the rules and regulations of selected sport
- 3 Be able to assess own performance in selected sport
- 4 Be able to assess the performance of teams in selected sport.

Sports Development

On completion of this unit a learner should:

- 1 Know key concepts in sports development
- 2 Know the key providers of sports development
- 3 Understand how quality is measured in sports development

4 Know about sports development in practice.

Current issues in Sport

On completion of this unit a learner should:

- 1 Know how sport has developed in the UK
- 2 Know how media and technology influence modern sport
- 3 Know how contemporary issues affect sport
- 4 Understand the cultural influences and barriers that affect participation in sports activities.

Leadership in Sport

On completion of this unit a learner should:

- 1 Know the qualities, characteristics and roles of effective sports leaders
- 2 Know the importance of psychological factors in leading sports activities
- 3 Be able to plan a sports activity
- 4 Be able to lead a sports activity.

Exercise and Healthy Lifestyles

On completion of this unit a learner should:

- 1 Know the importance of lifestyle factors in the maintenance of Health and Well Being
- 2 Be able to assess the lifestyle of a selected individual
- 3 Be able to provide advice on lifestyle improvement
- 4 Be able to plan a health related physical activity programme for a selected individual.

Work Experience in Sport

On completion of this unit a learner should:

- 1 Know about the opportunities for work based experience in sport
- 2 Be able to prepare for a work based experience in sport
- 3 Be able to undertake a work based experience in sport
- 4 Be able to review a work based experience in sport.

Sport Coaching

On completion of this unit a learner should:

- 1 Know the role, responsibilities and skills of sport coaches
- 2 Know the techniques used by coaches to improve the performance of athletes
- 3 Be able to plan a sports coaching session
- 4 Be able to deliver and review a sports coaching session

How will you be assessed?

Each unit is an assignment (practical and/or written) which is assessed and graded by your teacher/qualified instructor. Grades awarded are Pass, Merit and Distinction. The course is equivalent to two A2 level qualifications and will take up two of your option blocks (2x4 lessons per week). Please note that if you decide to only complete year one of this course then you will still be able to achieve a BTEC National level 3 Subsidiary Diploma in Sport (equivalent to one A2 level qualification).

What skills will BTEC Sport help me develop?

The qualification will give you the knowledge, understanding and competency needed when considering entering employment.

What can you do with this qualification?

With the international recognition of BTEC courses such as this, you can progress straight into employment. If successful there are a wide variety of prospective careers that you can explore, for example: Sports Management, PE Teacher, Sports coaching, Personal trainer, Physiotherapy, leisure centre assistant, Armed Forces, pool/beach lifeguard or sports development officer.

This qualification is also widely accepted by Higher Education establishments and could lead to an appropriate course eg, Sports Science, Sports Coaching, Sports Management, PE Teaching, Physiotherapy, and many more.

For further information: please see Mr T Davies

What is a BTEC National Subsidiary Diploma in Sport

The BTEC National Subsidiary Diploma in Sport provides you with an understanding of the essential skills needed when looking to build a career in the sports sector. The qualification will give you insight into the various different occupational routes you can take within the sector, plus help you to progress in existing employment, or move on to further study. This course is equivalent to one A level and you will have 4 lessons per week. (One option block)

What do I need to study Sport?

You should have at least 5 GCSE's at grades A*-C. An A*-C grade in GCSE PE would be essential, along with a long term interest in Sport and Physical Activity.

What will I study?

You will have 4 lessons per week.

You will be required to undergo 7 units of work in order to complete the course, which will include:

The Principles of Anatomy & Physiology in Sport

On completion of this unit a learner should:

- 1 Know the structure and function of the skeletal system
- 2 Know the structure and function of the muscular system
- 3 Know the structure and function of the cardiovascular system
- 4 Know the structure and function of the respiratory system
- 5 Know the different types of energy systems.

The Physiology of Fitness

On completion of this unit a learner should:

- 1 Know the body's response to acute exercise
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- 3 Be able to investigate the physiological effects of exercise on the body systems.

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On completion of this unit a learner should:

- 1 Know the key factors that influence health and safety in sport
- 2 Be able to carry out risk assessments

3 Know how to maintain the safety of participants and colleagues in a sports environment

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- 4 Be able to lead a sports activity.

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On completion of this unit a learner should:

- 1 Know different methods of fitness training
- 2 Be able to plan a fitness training session
- 3 Be able to plan a fitness training programme
- 4 Be able to review a fitness training programme.

Practical Team/Individual Sports

On completion of this unit a learner should:

- 1 Know the skills, techniques and tactics required in selected sport
- 2 Know the rules and regulations of selected sport
- 3 Be able to assess own performance in selected sport
- 4 Be able to assess the performance of teams in selected sport.

Sports Development

On completion of this unit a learner should:

- 1 Know key concepts in sports development
- 2 Know the key providers of sports development
- 3 Understand how quality is measured in sports development
- 4 Know about sports development in practice.

How will you be assessed?

Each unit is an assignment (Practical and/or written) which is assessed and graded by your teacher/qualified instructor. Grades awarded are Pass, Merit and Distinction. The course is equivalent to one A2 level qualification. Please note that if you decide to only complete one year of the course you will still be able to achieve a BTEC National level 3 Certificate in Sport (equivalent to AS level).

What skills will BTEC Sport help me develop?

The qualification will give you the knowledge, understanding and competency needed when considering entering employment or Higher Education.

What can you do with this qualification?

With the international recognition of BTEC courses such as this, you can progress straight into employment. If successful there are a wide variety of prospective careers that you can explore, for example: Sports Management, PE Teacher, Sports coaching, Personal trainer, Physiotherapy, leisure centre assistant, Armed Forces, pool/beach lifeguard or sports development officer.

This qualification is also widely accepted by Higher Education establishments and could lead to an appropriate course eg, Sports Science, Sports Coaching, Sports Management, PE Teaching, Physiotherapy, and many more.

For further information: please see Mr T Davies

What will you study?

You will study a wide range of artist designers and crafts people to inform your own projects. You will learn a wide variety of textile techniques and how to apply them into your own work. You will gain understanding and knowledge about how to build a portfolio and sketch book of work and develop your independent working skills.

AS -Unit 1 will cover: Portfolio Unit - this is based on the theme of 'environment', you will be required to complete a board in response to the brief, work in a sketch book and make a final textile piece based on the theme.

Task1: learning how to research artists and learn new decorative techniques using a theme.

Task 2:Artist Workshop, focusing on felting. You learn and experiment with felting techniques such as hand felting and needle felting. You will study specific textile artists that work with this medium. You will produce a board and work in sketch book.

Task3:Alternative materials, this project involves experimenting with a wide range of unusual materials and mediums, to create interesting samples inspired by artists. Manipulation of materials to create interesting surfaces and textures using unconventional materials.

AS -Unit 2 will cover: Examination Unit- Externally Set Assignment

Students will utilise the techniques and experience gained in the portfolio unit to research, develop and make a final realisation based on the set assignment.

A2 -Unit 3 will cover: A personal Investigation supported by an essay.

You will be expected to work independently, researching artists, recording and making observations, to develop your skills and knowledge of techniques that you have learnt in your first year during this project. You will produce an individual personnel project and a three thousand word essay complimenting your making.

A2 -Unit 4 will cover: Examination Unit – Externally Set Assignment.

You will collect information and resources alongside your independent research. You will develop an idea for a textile piece Under exam conditions you will develop and create samples

Examination structure:

AS Level	% of A level	Time limit	Marks	Notes
Unit 1	50% of AS 25% of A level	No time limit	80 marks	Portfolio of work set and marked by centre, moderated by AQA
Unit 2	50% of AS 25% of A2	Supervised 5 hours	80 marks	Work marked by centre, moderated by AQA

A2 Level	% of A level	Time limit	Marks	Notes
Unit 3	25% of A level	No time limit	80 marks	Personal investigation supported by written element of 1000-3000 words, set and marked by centre. Moderated by AQA
Unit 4	25% of A level	Supervised 15 hours	80 marks	Work marked by centre, moderated by AQA

What skills will Art Textiles help me develop?

- You will learn how to research artists, designers and craftspeople.
- You will learn how to organise your time in order to become an independent student.
- To develop your interest and passion for textiles, art and fashion.
- You will develop your knowledge and understanding of artists and designers and be able to create individual responses to their work.

- You will develop your knowledge of textile techniques and build up an informed skills bank of practical methods and ideas.
- You will develop your knowledge and understanding of the world of textiles and how it is used by artists and designers.
- You will learn how to build a mature portfolio and sketchbooks through independent study and practical lessons

How will Art Textiles help me?

- Over the two years you will be given opportunities to see work by graduates and find out about various textile degree and diploma courses.
- Textiles is increasingly popular and there is a huge selection of courses available around the country.
- If you study textiles at A level and then go on to higher education you will have the skills to apply for work within a vastly expanding industry within the UK and the world. It is a very exciting field to be working in with many opportunities.
- Due to the popularity of Textiles it is important that you demonstrate your interest in the subject. This can be done by visiting galleries, exhibitions, fashion shows, textile shows, making personal observations and working independently outside lesson time.

For further information please contact Mrs M Gregson and Mrs K Fanzo for more information and advice.