NICHOLAS CHAMBERLAINE SCHOOL

# VI Form
# Subject Information

*A member of the Griffin Schools Trust*

# NCS VI Form Pathways

## Academic
2 Years

A choice of taking three A Levels, three plus the Extended Project Qualification or 4 A Levels.

Subjects available:

- Art
- Biology
- Business
- Chemistry
- Drama
- English Literature
- French
- Geography
- Government and Politics
- History
- Mathematics
- Philosophy
- Photography
- Physics
- Psychology
- Sociology

## Vocational
2 Years

Level 3 Extended Diploma is equivalent to three A Levels.

Level 3 Diploma is equivalent to two A Levels and can be combined with 1 A level.

Subjects available:

- Applied Science
- Criminology
- Sport

| Art | |
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| Entry Recommendations | It is recommended that students achieve a minimum five GCSEs at Grade 5 and above including at least a Grade 5 in GCSE Art. Applications from students with a grade 4 in GCSE will be considered based on an accompanying portfolio. |
| Course Content | Art and Design offers you an exciting opportunity to develop new skills and a deeper understanding of Art. You will study contemporary and historical Art whilst you build a large portfolio of artwork towards a theme.<br><br>Your portfolio will demonstrate your ability to experiment with a wide range of processes and techniques from drawing and painting to 3D, performance, new media and photography. You will demonstrate refinement of your skills and your ability to produce a final outcome for your project.<br><br>You may wish to go on to study for a degree in Art, Craft, Design or work in one of the other creative industries such as advertising, marketing, architecture, publishing and the media.<br><br>Alongside specialist art skills you will develop independence, creativity, presentation and research skills which are transferable to all other parts of your life and future careers.<br><br>Creative, independent and ambitious students looking to pursue a career in any of the creative industries should be choosing this subject. |
| Assessment | Component 1 will consist of a portfolio of work presented in sketchbooks and artworks to be displayed in an end of course exhibition. It also includes a written element related to the project.<br><br>You will write an essay showing your cultural and contextual understanding.<br><br>Component 2 will consist of an 8 week research and development period culminating in a 15 hour practical exam over three days. |

# Biology

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| Entry Recommendations | It is recommended that students achieve a Grade 6 or above in Biology or Combined Science: Trilogy as well as a Grade 6 and above in GCSE Maths and English. | |
| Course Content | Almost on a daily basis, you are bombarded with biological phenomena. It has never been more important that you are aware of biological principles, so that you can make sense of the news and understand how scientists interact with each other and the world and society around them. This biology course will prepare students for further study of biology in higher education and you will become better-informed citizens of the 21st century. | |
| | **Year 1**<br><br>1. Development of Practical Skills in Biology<br>2. Foundations in Biology (including Cell Structure and Biochemistry)<br>3. Exchange and Transport<br>4. Biodiversity, Evolution and Diversity | **Year 2**<br><br>1. Development of Practical Skills in Biology<br>2. Communication, Homeostasis and Energy (including Neuronal Communication and Respiration)<br>3. Genetics, Evolution and Ecosystems |
| Assessment | External examinations will be completed at the end of Upper VI. There are **three** papers:<br><br>**Paper 1** Biological Processes (modules 1, 2, 3 and 5)<br>2 hours and 15 minutes and 37% of A- level<br>**Paper 2** Biological Diversity (modules 1, 2, 4 and 6)<br>2 hours and 15 minutes and 37% of A-level<br>**Paper 3** Unified Biology (all modules)<br>1 hour and 30 minutes and 26% of A-level<br><br>*Also includes a separate endorsement of practical skills which is assessed by teachers and will be based on direct observation of students' competency in a range of skills that are not accessible in written exams.* | |

# Business

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| Entry Recommendations | It is recommended that students achieve a minimum of 5 GCSEs at Grade 5 and above which will include English and Maths. | |
| Course Content | Business Studies will give students the opportunity to learn a range of topics areas and entrepreneurial knowledge and skills associated with the world of Business. Students will learn about business in the real world, so they gain an understanding of how local, national and international businesses work and how these impact on our lives. Students will acquire many transferable skills for the future, but also gain a practical view of how things work in a wider context. | |
| | Year 1<br><br>Theme 1: Marketing and People<br>• meeting customer needs<br>• the market<br>• marketing mix and strategy<br>• managing people<br>• entrepreneurs and leaders<br><br>Theme 2: Managing business activities<br>• raising finance<br>• financial planning<br>• managing finance<br>• resource management<br>• external influences | Year 2<br><br>Theme 3: Business decisions and strategy<br>• business objectives and strategy<br>• business growth<br>• decision-making techniques<br>• influences on business decisions<br>• assessing competitiveness<br>• managing change<br><br>Theme 4: Global business<br>• globalisation<br>• global markets and business expansion<br>• global marketing<br>• global industries and companies (multinational corporations) |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>Paper 1: 35% of the A Level. Marketing, people and global Business. This paper will be based on themes 1 & 2 of the specification.<br><br>Paper 2: 35% of the A Level Business Activities, decisions and strategy This paper will be based on themes 2 & 3 of the specification.<br><br>Paper 3: 30% of the A Level. Investigating business in a competitive environment. This paper will be based on Themes 1-4 of the syllabus. There will be pre-seen case study material provided for use with this paper. | |

# Chemistry

<table>
<tr><td>Entry Recommendations</td><td colspan="2">It is recommended that students achieve a Grade 6 or above in Chemistry or Combined Science: Trilogy as well as a Grade 6 and above in GCSE Maths.</td></tr>
<tr><td rowspan="2">Course Content</td><td colspan="2">The A Level chemistry course encourages students to develop an enjoyment, interest and fascination in the subject. You will develop the essential knowledge and understanding of the concepts of chemistry and the skills needed for new and changing situations. Throughout the course, you will develop your appreciation of the contributions of chemistry to society and the importance of making responsible use of scientific knowledge and evidence. Through the synoptic assessment you will bring together of the ways in which the different areas of chemistry relate to each other. The chemistry course will include elements of Maths, critical thinking, practical skills, observation, data interpretation, analysis and evaluation.</td></tr>
<tr><td>Year 1<br>Physical chemistry:<br>Atomic structure, Amount of substance, Bonding, Energetics, Kinetics, Chemical equilibria and Le Chatelier's principle, Oxidation, reduction and redox equations<br><br>Inorganic chemistry:<br>Periodicity, the alkaline earth metals, the halogens<br><br>Organic chemistry:<br>Introduction to organic chemistry, Alkanes, Halogenoalkanes, Alkenes, Alcohols and Organic analysis.</td><td>Year 2<br>Physical chemistry:<br>Thermodynamics, Rate equations, Equilibrium constant Kc for homogeneous systems, Electrode potentials and electrochemical cells, Acids and bases.<br><br>Inorganic chemistry:<br>Properties of Period 3 elements and their oxides, Transition metals Reactions of ions in aqueous solution.<br><br>Organic chemistry:<br>Optical isomerism, Aldehydes and ketones Carboxylic acids and derivatives, Aromatic chemistry, Amines, Polymers, Amino acids, proteins and DNA, Organic synthesis, Nuclear magnetic resonance spectroscopy and Chromatography.</td></tr>
<tr><td>Assessment</td><td colspan="2">External examinations will be completed at the end of Upper VI.<br><br>Paper 1: 35% of A- level covering physical Chemistry, Inorganic chemistry and relevant practical skills<br>Paper 2: 35% of A-level covering Physical Chemistry not covered in paper 1, Organic Chemistry and relevant practical skills<br>Paper 3: 30% of A-level covering any content from the whole specification and any practical skills.<br>All exams include a separate endorsement of practical skills which is assessed by teachers, based on direct observation of students' competency in a range of skills that are not accessible in written exams.</td></tr>
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<tr><th colspan="4">Drama</th></tr>
<tr><td>Entry Recommendations</td><td colspan="3">It is recommended that students achieve a Grade 6 in English Language and English Literature. We are happy to welcome students who did not choose to study GCSE Drama but those students must have experience of practical performance.</td></tr>
<tr><td>Course Content</td><td colspan="3">The WJEC Eduqas specification is designed to promote a balance between practical theatre making and the theoretical understanding of drama and theatre. This stimulating and engaging course of study encourages learners to make connections between dramatic theory and their own practice.<br>Learners study five performance texts (two complete texts and three key extracts from three different texts, studied in the context of the whole text) representing a range of social, historical and cultural contexts. The complete texts are studied for the written examination and the key extracts are divided between all three components. Learners also study two influential theatre practitioners (individuals or companies) and produce three performances; one text performance, one devised performance and one performance based on a creative reinterpretation of an extract from a text. This content is divided as follows between the three components.<br>Component 1: Theatre Workshop<br>Learners participate in the creation, development and performance of:<br>● one reinterpretation of an extract from a text, using the working methods and techniques of either an influential theatre practitioner or a recognised theatre company.<br>Component 2: Text in Action<br>Learners participate in the creation, development and performance of:<br>● one devised piece using the working methods and techniques of a second different influential theatre practitioner or recognised theatre company<br>● one extract from a text in a different style to the devised performance.<br>Component 3: Text in Performance<br>Learners explore:<br>● two complete performance texts from different historical periods<br>● one extract from a third contrasting text.</td></tr>
<tr><td>Assessment</td><td>Component 1- Theatre Workshop. Non-exam assessment: internally assessed and externally moderated by WJEC. 20% of qualification 60 marks</td><td>Component 2- Text in Action. Non-exam assessment: externally assessed 40% of qualification 120 marks</td><td>Component 3- Text in Performance. Written examination: 2 hours 30 minutes 40% of qualification 120 marks</td></tr>
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| English Literature | |
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| Entry Recommendations | It is recommended that students achieve a minimum of 5 GCSEs at Grade 5 and above with a Grade 6 in English Literature. |
| Course Content | If you are a lover of language, enjoy working independently and reading widely, this is the A Level for you! A study of English Literature at A Level unlocks countless career paths ranging from journalism to advertising to law. In addition, most good universities require English Literature as an entrance requirement. The study of A Level Literature is conducted in smaller groups to ensure in-depth discussion with time for independent study and reflection. You will acquire the skills that will afford you a working sense of nuances and ambiguities of words and symbols, together with the capacity for independent thought, reflection and judgement.<br><br>Year 1<br>English Literature is an opportunity to explore a wide range of poetry, drama and prose from a variety of contexts, cultures and eras. Using a range of texts as a vehicle, we will explore the theme of love through the ages. While love will be the common thread, the texts will also address issues of race, jealousy, prejudice and evil. In Lower VI, you will study a modern American play, two novels and a selection of modern poetry.<br><br>Year 2<br>We continue on our journey of love, jealousy and hatred through the ages. In Upper VI, we will study. Shakespeare and a selection of pre 1900 poetry. You will also complete one piece of coursework, an essay comparing two novels of your choice. |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>You will be assessed through the coursework as well as three examinations.<br>Paper 1 – Drama is an open book exam worth 30% of A Level<br>Paper 2 – Prose – is an open book exam worth 20% of A Level<br>Paper 3 – Poetry – is an open book exam worth 30% of A Level<br>Coursework is one extended essay worth 20% of A Level |

| French | |
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| Entry Recommendations | It is recommended that students achieve a minimum of a grade 6 in GCSE French and preferably a grade 7. |
| Course Content | Throughout the course, students will develop reading, listening, writing and speaking skills and will use many different sources such as authentic materials from TV/newspapers/radio. The A Level course builds on the knowledge, understanding and skills gained at GCSE. It has a focus on language, culture and society fostering a range of transferable skills including communication, critical thinking, research skills and creativity, which are valuable to the individual and to society. The course allows students to become more fluent in French and gain an insight into the culture of French speaking countries. Studying a language at A level can lead to further study at University and will be an asset to many careers such as Law, Business, Management, Finance, Hospitality, Tourism, Politics and Education. It is an interesting and demanding course but is well-recognised and would be certainly recommended for those students who wish to continue studying languages at university, use languages or the transferable skills gained in their future employment.<br><br>Core content<br>1. Social issues and trends<br>2. Political and artistic culture<br>3. Grammar<br>Options<br>4. Literary texts and films<br>Students must study **either** one text and one film **or** two texts from a set list. |
| Assessment | External examinations will be completed at the end of the second year of study.<br><br>Paper 1: Listening, reading and writing – 50% of A Level<br><br>Paper 2: Writing – 20% of A Level<br><br>Paper 3: Speaking – 30 % of A Level |

# Geography

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| Entry Recommendations | It is recommended that students achieve a minimum five GCSEs at Grade 5 and above which must include Geography with a minimum of a Grade 6 at GCSE. |
| Course Content | A Level Geography enables learners to develop a wide range of skills essential for today's ever evolving planet. The content studied is important for all citizens of the 21st century and elements are constantly changing just like the world around us.<br><br>This qualification is for students who enjoyed Geography at GCSE, and who have a curiosity about the world around us, and how people and the physical environment interact.<br><br>Geography A level is a well-respected academic qualification. It gives equal weighting to both human and physical geography as well as a fieldwork, submitted through a non-exam assessment.<br><br>At University, Geography can continue to be broad and result in either a BSc or BA. A Geography degree leads to wide ranging career opportunities.<br><br>Students will be required to put a wide range of skills into practice including literacy and extended writing, evaluation and debating, numeracy and statistics, ICT and primary fieldwork collection.<br><br>We study the AQA specification. The topics below include both the compulsory and optional units that we have currently selected to study:<br><br>Physical geography<br>• Water and carbon cycles<br>• Coastal systems and landscapes<br>• Hazards<br><br>Human geography<br>• Global systems and global governance<br>• Changing places<br>• Contemporary urban environments<br><br>Geography fieldwork investigation<br>• Fieldwork |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>Paper 1 - Physical Geography – 40% of A Level<br>Paper 2 – Human Geography – 40% of A Level<br>Non Examined Assessment (NEA) - 20% of A Level |

| Government and Politics | |
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| Entry Recommendations | It is recommended that students achieve a minimum five GCSEs at Grade 5 and above which must include Grade 6 at a GCSE humanities based subject. |
| Course Content | Lively, relevant and controversial – some of the many words that can be used to describe Politics A Level. This is an extremely interesting and engaging subject which covers news and current affairs from the UK and US and will support your understanding how the countries are run.<br><br>This is an A Level for people who enjoy History, Geography or Citizenship GCSE, and who have an interest in the society they live, how it works and how it could change.<br><br>Politics will be taught through reading source materials, short and long answer responses, debating, researching and trips to relevant political locations.<br><br>You will use many skills including research, written communication and debating and will certainly increase your analytical and evaluative skills.<br><br>Politics is a valuable subject for anyone interested in further study at University in Politics, History and Economics, along with a range of other subjects.<br><br>Unit 1 – Government and politics of the UK<br>Unit 2 – The government and politics of the USA and Comparative politics<br>Unit 3 – Political ideas |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>Paper 1 – 33% of A Level<br>Paper 2 – 33% of A Level<br>Paper 3 – 33% of A Level |

| History | |
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| Entry Recommendations | It is recommended that students achieve a minimum five GCSEs at Grade 5 and above which must include Grade 6 at a GCSE History. |
| Course Content | Those who have enjoyed History at GCSE and wish to continue with an academic subject will really enjoy studying history at A Level.<br><br>Those who enjoy independent study involving research and enquiry and a development of evaluative and analytical skill.<br><br>It is a highly regarded by universities and opens the door to many exciting careers including law; journalism and politics.<br><br>Modules:<br><br>The Tudors: England, 1485–1603<br>Part one: Consolidation of the Tudor Dynasty: England, 1485–1547<br>• Henry VII, 1485–1509<br>• Henry VIII, 1509–1547<br>Part two: England: Turmoil and Triumph, 1547–1603<br>• Instability and consolidation: 'the Mid-Tudor Crisis', 1547–1563<br>• The triumph of Elizabeth, 1563–1603<br><br>The American Dream: Reality and Illusion, 1945–1980<br>Part one: Prosperity, Inequality and Superpower status, 1945–1963<br>• Truman and Post-war America, 1945–1952<br>• Eisenhower: tranquillity and crisis, 1952–1960<br>• John F Kennedy and the 'New Frontier', 1960–1963<br>Part two: challenges to the American Dream, 1963–1980<br>• The Johnson Presidency, 1963–1968<br>• Republican reaction: the Nixon Presidency, 1968–1974 The USA after Nixon, 1974–1980 |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>There will be two examined components of 40% each.<br>There will be a coursework element of 20% |

# Mathematics

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| Entry Recommendations | It is recommended that students achieve a minimum five GCSEs at Grade 5 and above which must include at least a grade 7 at GCSE Maths. The Maths department may use discretion to accept Grade 6. | |
| Course Content | A Level Mathematics is often thought of as subject of complicated calculations. However, calculations only form a small part of this rigorous discipline which requires clear thinking and the development of specific ideas into generalised solutions. On one hand, Mathematics deals with highly abstract topics which require considerable imagination combined with the discipline of "proof". On the other hand, Maths underpins virtually all the practical elements of science, IT and Economics that have formed our module world.<br>A Level Maths will give you the opportunity to study topics such as geometry, calculus and trigonometry (pure mathematics) and to use these ideas within the "applied" topics such as mechanics and statistics. Mechanics is strongly linked to physics and builds on ideas of motion and forces. Statistics allows us to make sense of the variable world around us via analytical methods.<br>Mathematics at A Level is both interesting and challenging. It builds upon work you have met at GCSE but also involves new ideas and powerful techniques for solving problems.<br>An A-Level in Mathematics is a valuable qualification for students wanting to pursue careers in a wide variety of areas. Many careers benefit from following A-Level Mathematics. These include: management, teaching, social sciences, logistics, graphics, building trade, film industry, armed forces, banking and computing. | |
| | Year 1 Modules we offer:<br>• C1: Algebra and functions; coordinates geometry in the (x,y) plane; sequences and<br>• series; differentiation and integration.<br>• C2: Algebra and functions; coordinate geometry in the (x,y) plane; sequences and<br>• series; trigonometry; exponentials and logarithms; differentiation and integration.<br>• S1: Mathematical models in probability and statistics; representation and summary<br>• of data; probability; correlation and regression; discrete random variables; discrete<br>• the Normal distribution.<br>• M1: Mathematical models in mechanics; vectors in mechanics; kinematics of a<br>• particle moving in a straight line or plane; statics of a particle; moment. | Year 2 Modules we offer:<br>• C3: Algebra and functions; trigonometry; exponentials and logarithms; differentiation; numerical methods.<br>• C4: Algebra and functions; coordinate geometry in the (x, y) plane; sequences<br>• series; differentiation; integration; vectors.<br>• S2: The Binomial and Poisson distributions; continuous random variables;<br>• continuous distributions; samples; hypothesis tests.<br>• M1: Kinematics of a particle moving in a straight line or plane; centres of mass; work and energy; collisions; statics of rigid bodies. |
| Assessment | External examinations will be completed at the end of Upper VI. There will be 3 exams of equal waiting towards the final grade. | |

# Philosophy

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| Entry Recommendations | It is recommended that students achieve a minimum five GCSEs at Grade 5 and above which must include Grade 6 at a GCSE humanities based subject. |

Philosophy is about asking, and attempting to answer, fundamental questions such as

- What is knowledge?
- Do we see the world as it is, or is our perception of the world misleading?
- Does God exist and what is the problem of evil?
- What is the nature of mind and can we explain the mental purely in terms of the physical?
- What is moral goodness, and what is the nature of moral language?

This is an engaging and thought-provoking course that will help you develop an understanding of Philosophical theories and language. It will provoke you into asking big questions about the world and for you to understand that in a world where Artificial Intelligence is rapidly expanding, Philosophy can help us provide the answers to the challenges that this will bring.

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| Course Content | Unit 1 – Epistemology (what can we know)<br>Unit 2 –Ethics (how should we behave)<br>Unit 3 – Metaphysics of God (is there a God)<br>Unit 4 – Metaphysics of the Mind (is you mind separate from your brain) |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>Paper 1 – 50% of A Level<br>Paper 2 – 50% of A Level |

# Physics

<table>
<tr><td>Entry Recommendations</td><td colspan="2">It is recommended that students achieve a minimum five GCSEs at Grade 5 and above which must include Grade 6 at GCSE Maths and a minimum of a Grade 6 in GCSE Combined Science or Physics.</td></tr>
<tr><td rowspan="2">Course Content</td><td colspan="2">A Level Physics will help you develop a deeper understanding of how our universe works at the most fundamental level, from the tiny scales of subatomic particles to the unimaginably large scale of stars and galaxies.<br><br>In addition to this, A Level Physics provides and understanding of the fundamental rules that govern many of the modern technologies that we rely on every day.<br><br>A qualification in Physics is essential for many careers including those in science, engineering and the medical field, but don't forget that Physics is a highly regarded A level whatever your future choice of career. Physics graduates are highly valued for their problem-solving and numeracy.<br><br>Some example of other careers open to you include: architecture, economics, merchant banking, oceanography, photography, cartography, science broadcasting or journalism, computer-aided design, quantity surveying, graphic art and technical jobs in media.</td></tr>
<tr><td>Year 1<br>The course covers fundamental ideas in Physics. You will study:<br>1. Measurements and their errors<br>2. Particles and radiation<br>3. Waves<br>4. Mechanics and materials<br>5. Electricity</td><td>Year 2<br>The course covers fundamental ideas in Physics. You will study:<br>1. Measurements and their errors<br>2. Particles and radiation<br>3. Waves<br>4. Mechanics and materials<br>5. Electricity<br>6. Further mechanics and thermal physics<br>7. Fields and their consequences<br>8. Nuclear physics<br>There is also an additional topic comprising one of the following:<br>1. Astrophysics<br>2. Medical physics<br>3. Engineering physics<br>4. Turning points in physics<br>5. Electronics</td></tr>
<tr><td>Assessment</td><td colspan="2">External examinations will be completed at the end of Upper VI.<br>Paper 1 – sections 1 to 5 and 6.1 (periodic motion) – 34% of A Level<br>Paper 2 – sections 6.2 (thermal physics), 7 and 8 – 34% of A Level<br>Paper 3 – Section A: practical skills and data analysis Section B: additional topic (one of sections 9 to 13) - 32% of A Level</td></tr>
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| Psychology | |
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| Entry Recommendations | It is recommended that students achieve a minimum of five GCSEs at Grade 5 and above which must include at least a Grade 5 in English and Maths and Grade 6 at GCSE Combined Science or a single science. |
| Course Content | Psychology is a very popular subject at NCS and it develops a range of valuable skills including critical analysis, independent thinking and research. These skills are particularly relevant to young people to further study and the workplace. Many previous students have continued onto university studies of Psychology. Psychology will be a great springboard into any health or medical related career, careers in education or child development, careers in law and the justice system, or careers in media and advertising. If you are interested in the scientific understanding of human behaviour and want to understand topical issues such as eating disorders, phobias and personality then you should choose Psychology.<br><br>Year 1<br>Introductory topics in Psychology<br>• Social Influence- you will study conformity of social roles, explanations for obedience and resistance to social influence.<br>• Memory – you will study the features of short and long term memory, explanations for forgetting and factors affecting the accuracy of eyewitness testimony.<br>• Attachment – you will study caregiver-infant attachment, animal studies of attachment and theories of maternal deprivation.<br>• Psychopathology – you will study psychological explanations of phobias, depression and Obsessive-Compulsive Disorder (OCD).<br>Psychology in Context<br>• Approaches in Psychology – you will study cognitive, biological, psychodynamic and humanistic approaches.<br>• Biopsychology – you will study structures and function of the brain and the central nervous system, consider the fight and flight response and examine the sleep/wake cycle.<br>• Research Methods – you will conduct and study different types of experiments, observations, correlations and case studies.<br>Year 2<br>• Issues and debates in Psychology<br>• Relationships – You will study partner preference, attraction in romantic relationships and virtual relationships.<br>• Forensic Psychology – you will study offender profiling, biological/psychological explanations of why people commit crime. As well as, ways of dealing with offending behaviour.<br>• Schizophrenia – you will study how schizophrenia is classified and diagnosed. As well as learning biological and psychological explanations/treatments of schizophrenia. |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>There will be 3 written papers which will be of equal waiting. |

| Sociology | |
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| Entry Recommendations | It is recommended that students achieve a minimum of five GCSEs at Grade 5 and above which must include at least a Grade 6 in English and/or a GCSE Humanities subject at Grade 6. |
| Course Content | Sociology is the study of social life, social groups and societies. It is an exciting and popular subject at NCS that involves studying a wide range of contemporary real life issues relating to the family, education, crime and deviance and beliefs in society.<br><br>Students will develop a critical understanding of society. They will explore and debate contemporary social issues so that they are able to challenge everyday understandings of social phenomena from a sociological perspective. Studying sociology will enable students to develop a more in-depth and critical understanding of the social world today.<br><br>The two main themes running throughout the course are socialisation, culture and identity alongside social differentiation, power and stratification.<br><br>Year 1<br>• Introduction to sociology<br>• Education with theory and research methods<br>• Families and Households<br><br>Year 2<br>• Crime and Deviance<br>• Beliefs in Society<br>• Theory and Methods |
| Assessment | External examinations will be completed at the end of Upper VI.<br><br>There will be 3 examination papers all with equal waiting. |

| Extended Project Qualification | |
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| Entry Recommendations | Owing to the "project" style there are no required qualifications or recommendations. However, students must be prepared to work independently in the planning, research and development of the project alongside their other studies. This qualification includes essay writing so it is essential students are skilled in this area. |
| Course Content | The Extended Project will develop and extend from one or more of the student's areas of personal interest or an activity outside their main programme of study. It will be based on a topic chosen by the student and agreed as appropriate by the centre coordinator.<br><br>The student will:<br>• Identify, design plan and complete and individual project, applying a range of organisational skills and strategies to meet agreed objectives<br>• Obtain, critically select and use information from a range of sources, analyse data, apply it relevantly and demonstrate understanding of any appropriate linkages, connections and complexities<br>• Select and use a range of skills, solve problems, take decisions critically, creatively and flexibly to achieve a planned outcome<br>• Evaluate outcomes both in relation to agreed objectives and own learning and performance. Select and use a range of communication skills and media to present evidence outcomes and conclusions in an appropriate format.<br><br>The EPQ will supplement any other qualification in VI Form. It is looked upon very favourably by universities as it shows many qualities including research and extended writing that admissions tutors look for. There are occasions where certain universities will lower their offer when students are completing the EPQ. For example AAA could be reduced to AAB with an EPQ. |
| Assessment | Students can choose to complete a 5000 word research essay or they may choose to submit an artefact and complete a 1000 report. As well as for the final project, students are assessed and gain marks for their project planning, their research, management of the project and the final presentation. |

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<tr><th colspan="3">Applied Science</th></tr>
<tr><td>Entry Recommendations</td><td colspan="2">It is recommended that students achieve a Grade 4 or above in Combined Science or Separate science, and at least a grade 4 in English and Maths</td></tr>
<tr><td rowspan="2">Course Content</td><td colspan="2">The BTEC Applied Science course encourages students to develop an enjoyment, interest and fascination in the subject. The Pearson BTEC Level 3 National Applied Science suite of qualifications has been designed for post-16 students wishing to continue their education through applied learning, and who aim to progress to higher education, an apprenticeship or employment.</td></tr>
<tr><td>Year 1<br><br>Unit : Principles and applications of science.<br><br>Chemistry: Periodicity, atoms and bonding, calculations for Chemistry, Chemical properties and reactions.<br><br>Biology: Cells and tissues structure and function,<br><br>Physics: Waves, Emissions spectra, waves in communication, EM spectrum.<br><br>Unit 2: Practical Scientific procedures and techniques<br><br>Titrations and Colourimetry, Calorimetry, Chromatography, Personal skill developments.</td><td>Year 2<br><br>Unit 3: Science investigation skills.<br><br>Taught with a focus on the following topics: Enzymes, Diffusion, Plant Sampling, Fuels and circuits.<br><br>Unit 8:Physiology of Human body systems<br><br>Musculoskeletal system, Lymphatic system, Digestive system.</td></tr>
<tr><td>Assessment</td><td colspan="2">Unit 1: Externally set exams in June<br><br>Unit 2: Internally assessed coursework throughout the year.<br><br>Unit 3: Externally set exam in January of year 13<br><br>Unit 8 Internally assessed coursework throughout the year.</td></tr>
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| Criminology | |
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| Entry Recommendations | Students must have achieved four/five GCSEs at Grade 5 including English and Maths. |
| Course Content | This qualification looks at the types of crime that take place within our society. How do we decide which behaviour is criminal? How do we explain why some people commit crime and how can we use different theories of criminality to explain this behaviour?<br>You will study real life cases in order to gain an understanding of the criminal justice system from the crime scene all the way to the courtroom and look at how social control is achieved within our society. Criminology is an Applied General qualification primarily designed to support learners progressing to university; however, much of the course is vocationally relevant, offering opportunities to learn from practical activities and the expertise of professionals currently working in criminology. It offers exciting and interesting learning experiences in purposeful contexts linked to the criminal justice system.<br><br>Unit 1 – Changing awareness of crime<br>Unit 2 – Criminological theories<br>Unit 3 – Crime scene to court room<br>Unit 4 – Crime and punishment |
| Assessment | Unit 1: This unit is assessed through an 8-hour controlled assessment (internally assessed at your centre and externally moderated) 25%<br><br>Unit 2: This unit is assessed through examination. The exam consists of short answer and extended writing questions and lasts 1 hour 30 minutes. 25%<br><br>Unit 3: This unit is assessed through an 8-hour controlled assessment (internally assessed at your centre and externally moderated) 25%<br><br>Unit 4: This unit is assessed through examination. The exam consists of short answer and extended writing questions and lasts 1 hour 30 minutes. 25% |

| Sport BTEC | |
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| Entry Recommendations | Students must have achieved four/five GCSEs at Grade 5 including English and Maths. |
| Course Content | BTEC Sport is designed for those that have a passion for sport, exercise and the leisure industry. The design of the course will suit those that are well organised and keep to deadlines in order to submit coursework and assignments on time. The course will provide excellent preparation for employment in a range of sports industry jobs, as well as being a recognised qualification which meets admission requirements for a wide range of degree courses in sport. Pupils will have opportunities to take part in sports teams fixtures and extra-curricular clubs in a thriving and well-resourced PE department. Students will also have the opportunity of joining the Lammas Basketball and football teams.<br><br>Mandatory Units:<br>• Anatomy and Physiology<br>• Fitness Training and Programming for Health, Sport and Well-being.<br>• Professional Development in the Sports Industry<br>• Sports Leadership<br>• Practical Sports Performance<br>• Coaching for Performance<br>• Research Methods in Sport<br>• Development and Provision of Sport and Physical Activity<br>• Investigating Business in Sport and the Active Leisure Industry<br>• Skill acquisition in Sport<br><br>Optional Units:<br>Pupils will also study 4 optional units as agreed by the course leader. These will be selected from a list of 13 possible units. |
| Assessment | Pupils will be assessed through a range of written assignments, tasks and exams. Pupils will be both externally and internally assessed throughout the course. External assessments will be marked by Pearson and pupils must achieve a minimum of a 'pass' grade or above in these units. Internal assessments will be set and marked by course teachers during the course. Units will be assessed using a grading scale of Distinction, Merit, Pass and Unclassified. |