

# #GOFURTHER

NEWCASTLE SIXTH FORM COLLEGE



## Your Future Starts Here

**2023**  
COURSE  
GUIDE

27 A LEVEL SUBJECTS





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# Welcome

**Welcome to Newcastle Sixth Form College. We are the largest Sixth Form College in the region with over 1,350 students and 100 dedicated staff, providing a wide range of A Levels.**

At NSFC we are proud to state that we offer an aspirational culture and ethos for our students, with highly focused subject staff, student support services, personal development and learning support provided. This ensures every student has the greatest opportunity to achieve the best outcome from their A Level journey.



We work extremely hard to ensure our students achieve their goals. From the very start of their time at the college we assist every student in their progression onto Higher Education or advanced employment opportunities. We create an academic environment to make sure students feel that they can transition into higher education or degree apprenticeships with ease. Our state of the art facilities provide a university style campus, and our specialist careers development programme gives exceptional access to university choices.

We are a highly inclusive college with a diverse and integrated student body, and place a huge value on both our Respect Ethos, and also our parental engagement. This approach means that students at Newcastle Sixth Form enjoy the opportunity to study and socialise within a positive welcoming site.

Finally, we are keen to add value at every opportunity at Newcastle Sixth Form College. From our huge programme of enrichment activities to our wider curriculum activities, Duke of Edinburgh and World Challenge activities, we ensure that our students gain the numerous opportunities not offered in other educational settings. Studying A Levels is a significant undertaking for any young person and we have created a support framework, which led to our best ever results in 2022.

I hope to see you at one of our monthly Open Events and look forward to your joining us on your A Level journey.

A handwritten signature in black ink, appearing to be 'SR' with a horizontal line underneath.

**Simon Ross - Principal**



# NEWCASTLE SIXTH FORM COLLEGE

**JESSICA  
BATE**

**STUDIED  
A LEVELS  
AT NSFC**

**SHE ACHIEVED A\* A\* A  
IN MATHS, PHILOSOPHY  
& PSYCHOLOGY AND  
PROGRESSED TO  
OXFORD UNIVERSITY**

**CONGRATULATIONS  
TO ALL OUR CLASS  
OF 2022**

**#GOFURTHER**

[www.nsfc.co.uk](http://www.nsfc.co.uk)



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WORTH TO THE FUT

# Personal Development

**Just one of the huge advantages of attending Newcastle Sixth Form College is the Personal Development Coaching Team, who are dedicated to making sure you get the most from your A Level journey.**

**From you first moments at NSFC, where you make the very significant adjustments to new subjects, new friendship groups and a large new campus, to the moment you leave on results day 2024, and set off to university or into your first career role, PDC's will be with you.**

Coaches are based in college, but you'll be engaging with them virtually until further notice. Your coach is your first point of contact in the sixth form, and for your family, or designated Next of Kin. They will ring home if you are absent or unengaged without report as per procedure.

You will attend a one hour weekly Personal Development Lesson in your designated Personal Development Group. In your weekly group lesson, you will develop the following skills, knowledge, and behaviours:

- Personal growth.
- The A-Level VESPA mind-set (Vision, Effort, System, Practice, Attitude)
- Academic coaching and reviewing of monitoring points for termly progress.
- Fundamental British Values, Extremism, and Prevent.
- Career Research and Labour Market Information.
- How to read a payslip, manage taxes, and more.
- Online Safety.
- Vision and goals.
- Next steps (UCAS application, jobs and careers).
- Employability skills (CV, job interviews, and Higher Level Apprenticeship Application).
- Wellbeing and Mental Health Awareness.
- Healthy Relationships.
- Alcohol and Drug awareness.
- Metacognition, Interleaving, and Revision technique.
- Money Management (with opportunity to gain an extra Level 1 qualification)

If you would like more information about Personal Development at NSFC contact [NSFCOffice@newcastlesfc.ac.uk](mailto:NSFCOffice@newcastlesfc.ac.uk)



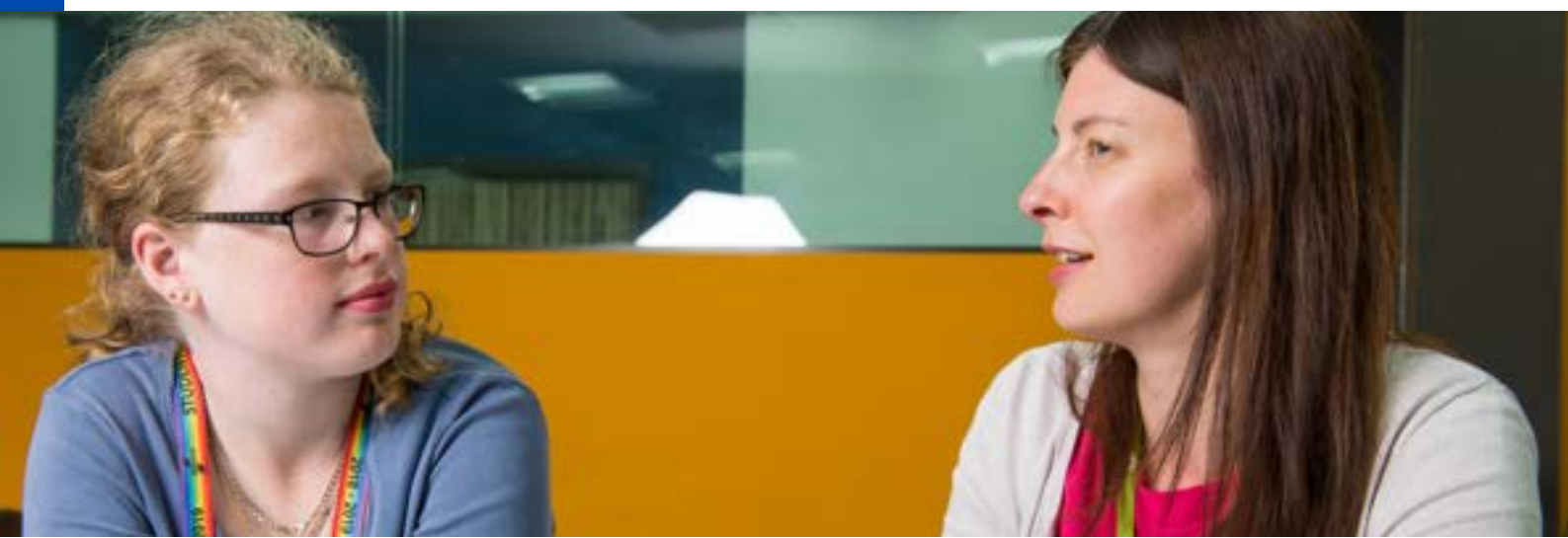
# TARGET - Learning Support

**The Target Team provides a range of support to students with identified learning needs, medical conditions or disabilities. The support is available throughout your entire time at Newcastle Sixth Form College.**

They provide a specialist assessment for each student, to establish what support is required, and work in collaboration with curriculum staff to reduce barriers to learning, enhancing opportunity and success. If you have disclosed an additional support need in your application, you should already have been referred to the Target Learning Support Team, or you can also contact the team directly 0191 226 6275 or [NSFCtargetenquiries@newcastlesfc.ac.uk](mailto:NSFCtargetenquiries@newcastlesfc.ac.uk)

## **Mental Health Support**

All staff at the Sixth Form receive Mental Health Awareness training and are people you can feel confident in talking to. You can also make a referral to the college counsellor if you think you need additional support.





# Financial Support

**A Bursary of up to £1,500.00 is available for students living in a household with an income of £30,000.00 or less, providing appropriate documentary evidence in support of the application can be presented.**

The amount of support a student receives is dependent on the miles travelled from home to college. In addition to the household income criteria, students must have a bank account in their own name that can accept BACS payments. Students are also required to maintain attendance levels of 95% or above in every aspect of their study programme.

If you have any questions or queries on financial support, you can contact the Newcastle Sixth Form College Admissions Team on 0191 226 6231 or at [enquiries@newcastlesixthformcollege.ac.uk](mailto:enquiries@newcastlesixthformcollege.ac.uk)

If a student in receipt of the bursary is experiencing a specific financial barrier to their learning they should speak to their coach or a member of the bursary team as additional specific support is sometimes available. Please refer to the separate Bursary Letter for more information or contact us.



# Careers

**Preparation for life after Newcastle Sixth Form College is vital, and that is why we have a dedicated team, and whole college approach to preparing our students to make progression into higher education or employment.**

At Newcastle Sixth Form College we have a dedicated UCAS Co-ordinator. They are on hand to offer advice and guidance on applying to university and the UCAS process, as well as organising our successful annual Higher Education Progression Fair. We oversee and manage our Unifrog: online guidance platform that all students use in Personal Development sessions. This is a fantastic resource with excellent information on Universities and Apprenticeships. Students use this to log their competencies and prepare their personal statements.

Through the coordinated approach between Personal Development, UCAS Coordinator and teachers, we also support students looking at alternative routes and have extensive links to local businesses.







**SHARIA  
BEHROUZI**

**STUDIED  
A LEVELS  
AT NSFC**

**HE ACHIEVED A\* A\* A\* A\*  
IN MATHS, FURTHER  
MATHS, PHYSICS &  
COMPUTER SCIENCE**

**CONGRATULATIONS  
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# SUBJECTS

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# Subjects



Course	A Level	AS Level	GCSE
Art, Craft & Design	X		
Biology	X		X
Business Studies	X		X
Chemistry	X		X
Citizenship			X
Computer Science	X		
Core Maths		X	
Drama & Theatre	X		
Economics	X		
English Language	X		X
English Literature	X		
Film Studies	X		X
French	X		
Further Maths		X	
Geography	X		X
Graphics	X		
History	X		
Law	X		
Maths	X		X
Media Studies	X		
Music Technology	X		
Philosophy Ethics	X		
Physics	X		
Politics	X		
Psychology	X		
Sociology	X		
Spanish	X		X
Sports Science	X		
Statistics	X		



# ART & DESIGN

You will be introduced to a range of traditional and new media, including drawing and sculpture. Knowledge of Art, Craft and Design will be developed through research, the development of ideas and working from first-hand experience. You will develop practical and theoretical knowledge and understanding of relevant materials, processes, and ways of conveying ideas, feelings and meanings.

## MODULES/TOPICS

You will produce practical and critical/contextual work in two or more areas of study, for example, Fine Art, 3D design or Textile design.

**Component 1** (Personal investigation) - You will develop work for a personal investigation into an idea, issue, concept or theme supported by written material of 1000-3000 words.

**Component 2** (Externally set assignment - 15 hours supervised time) You will produce personal work in response to one of eight exciting starting points.

## PROGRESSION

In general, we find that any art subject broadens your horizons and helps with time management, research, creative and analytical skills, communicating in both written and visual forms, as well as with close observation and awareness of current affairs. You could progress to a Foundation Studies diploma in Art and Design, a Foundation Degree, Higher National Diploma or BA Honours Degree. Studying an Art and Design related degree at university can give you all sorts of exciting career options, including traditional fine art, art restoration, community arts, illustration, lecturing/teaching, as well as animation, graphic design, games design, fashion and textile design. In combination with other subjects it could be useful for architecture and art therapy alongside many other careers.



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# BIOLOGY

**Biology is the study of all living things. You will look at how individual molecules interact with each other, how they form tissues, organs and organisms and how these organisms interact with their environment on a global scale. Studying biology will develop your understanding of the living world and enable you to explore the applications and implications of this living science.**

## MODULES/TOPICS

Over the course of two years you will cover a broad range of content including:

- Biological molecules
- Cells
- Exchange with the Environment
- Energy Transfer In and Between Organisms
- Genetics, Populations, Evolution and Ecosystems
- Organisms and Response to Internal and External Environments
- Control of Gene Expression

## PROGRESSION

Biology can be studied to aid progression to a scientific, medical, health, environmental or social science career. Popular progression routes from A Level Biology include degrees in biology, biomedical sciences, marine biology, zoology, pharmacy, environmental sciences, psychology, medicine, physiotherapy, speech or occupational therapy, veterinary and dentistry.





# BUSINESS STUDIES

A Level Business will allow you to develop a broad understanding of business organisations and provide you with the knowledge of the key business functional areas. The curriculum reflects the ever-changing character of business and the rapid growth of new technologies.

## MODULES/TOPICS

### Theme 1: Marketing and People

In this theme, students are introduced to the market, explore the marketing and people functions and investigate entrepreneurs and business start-up. The topics that students will cover include: Meeting customer needs, The market, Marketing mix and strategy. Managing people, Entrepreneurs and leaders.

### Theme 2: Managing Business Activities

In this theme, students explore the finance and operations functions, and investigate external influences on business. Topics include:

- Raising finance, Financial planning, Managing finance, Resource management, External influences.

### Theme 3: Business Decisions and Strategy

In this theme, students develop their understanding of the concepts introduced in Theme 2 and explore influences on business strategy and decision-making. Topics include: Business objective and strategy, Business growth, Decision making techniques, Influences on business decisions, Assessing competitiveness, Managing change.

### Theme 4: Global Business

In this theme, students develop their understanding of the concepts introduced in Theme 1 and explore business activity in a global context. Topics include: Globalisation, Global markets and business expansion, Global markets, Global industries and companies.

## PROGRESSION

Students can progress to higher education courses such as business management, business administration, accountancy and finance, human resource management, marketing, retail management, tourism management and international business. You could follow a wide range of career paths ranging from retail, banking, sales, product management and general management in public sector organisations or charities.



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# CHEMISTRY

Chemistry attempts to give solutions to many of the world's problems. It's the search for answers that makes this subject so fascinating. From investigating how to make sustainable processes, to researching a new wonder drug to save millions of lives, the opportunities that chemistry provides are endless.

## MODULES/TOPICS



Chemistry is split up into three major sections:

Physical Chemistry which involves quantifying properties including amount of substance calculations, rates of reaction, behaviours of gases, equilibrium, thermodynamics and more.

Organic Chemistry is the chemistry of living things and discusses reactions of alkanes, alkenes, alcohols, esters, carbonyl chemistry, aromatic compounds, DNA and biological molecules. As well as how to analyse the compounds we learn to synthesise.

Inorganic Chemistry is the study of all non-carbon elements. Whilst studying it you will learn about why chemicals are coloured, how different groups behave and more.



## PROGRESSION

Studying a chemistry related degree at university gives you all sorts of exciting career options including; analytical chemist, chemical engineer, clinical biochemist, pharmacologist, doctor, research scientist, toxicologist, environmental consultant.

# COMPUTER SCIENCE

Understanding different aspects of computing is one of the most necessary skills for young people to gain in our century. In studying Computer Science, you will develop the capacity to think creatively, innovatively, logically and critically.

## MODULES/TOPICS

### Computer Systems (01)

- Structure and function of the processor and processor performance
- Systems software, applications software and software development
- Compression, encryption and hashing
- Databases & Networks
- Web technologies
- Data types,
- Boolean algebra and data structures
- Legal, moral, social, cultural and ethical issues

### Algorithms and Programming (02)

- Computational thinking
- Problem solving and programming
- Standard algorithms

### Programming Project (03)

Analysis, design, development, testing and evaluation of a suitable computer science project; developed using a range of technologies and an object oriented, iterative approach.

## PROGRESSION

Future career opportunities include:

- Database administrator
- Games developer
- Information systems manager
- IT consultant/educatorInterface design
- Mobile computing
- Multimedia programmer
- Network engineer
- Systems analystSystems developer
- Quality Assurance (System Testing).



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# DRAMA & THEATRE

This subject is ideal for you if you have an avid interest in performing or theatre design. You should have a passion for attending live theatre, as well as practically exploring drama and theatre. You will develop your understanding and knowledge of relationships, politics, the past, the future, culture, people, power and society.

## MODULES/TOPICS

### Component 1: Devising

Using one key extract from a performance text and a theatre practitioner as stimuli students will devise an original performance piece. Performer or designer routes available.

### Component 2: Text in Performance

Students will produce a group performance of one key extract from a performance text and a monologue or duologue performance from one key extract from a different performance text.

### Component 3: Theatre Makers in Practice

Section A: Live Theatre Evaluation - an exploration and evaluation of live theatre seen by students.

Section B: Page to Stage: Realising a Performance Text - practical exploration and study of a complete performance text, focusing on how this can be realised for performance.

Section C: Interpreting a Performance Text - practical exploration and interpretation of a complete performance text, focusing on a chosen theatre practitioner and how the text could be reimagined for a contemporary audience.

## PROGRESSION

You could work in the theatre or performing arts industry, either on stage or in one of the many backstage roles such as theatre management, marketing, lighting, directing, arts funding, costume and staging.





# ECONOMICS

Economics will engage you critically with real world issues and give you the opportunity to apply your economic knowledge and skills to issues in the world around you. A good economist is an independent thinker and someone who recognises the relevance of the subject in understanding the wider global events and how they affect us all.

## MODULES/TOPICS

**Theme 1:** Introduction to markets and market failure

Topics include: 1.1 Nature of economics, 1.2 How markets work, 1.3 Market failure, 1.4 Government intervention

**Theme 2:** The UK economy – performance and policies

Topics include: 2.1 Measures of economic performance, 2.2 Aggregate demand, 2.3 Aggregate supply, 2.4 National income, 2.5 Economic growth, 2.6 Macroeconomic objectives and policy

**Theme 3:** Business behaviour and the labour market

Topics include: 3.1 Business growth, 3.2 Business objectives, 3.3 Revenues, costs and profit, 3.4 Market structures, 3.5 Labour market, 3.6 Government intervention

**Theme 4:** A global perspective 4.1 International economics, 4.2 Poverty and inequality, 4.3 Emerging and developing economies, 4.4 The financial sector, 4.5 Role of the state in the macroeconomy

## PROGRESSION

Economics is unique in that it can be both a Humanities and a Science subject at university, depending on the subjects it is combined with at A Level. You could progress to study a degree in Business and Finance, or Economics, but please note – Economics degrees usually require A Level Mathematics. Typical careers include investment banking, accountancy, stock market trader, data analyst, or a management role.





# ENGLISH LANGUAGE

English Language offers the opportunity to develop your knowledge, understanding and appreciation of language in use and to consider some critical language debates. Together, the creative writing and language investigation components give you the opportunity to develop your particular language specialisms. For example, students interested in journalism might select to write newspaper articles for their coursework, followed by journalism for their investigation.



## MODULES/TOPICS

The key topic areas explored include:

- The structure of English.
- Regional and global forms of English.
- Child language development.
- The history of the English Language.
- Exploring how aspects of our identity (such as gender identity) are reflected in the language we use.
- The key characteristics of different 'types' of English (such as instant messaging, journalism, advertising etc).
- Learning how to write for an audience and purpose.



## PROGRESSION

English Language can be studied as a single subject in higher education or can be combined with English Literature or a wide range of other subjects. Studying English Language provides you with valuable skills and a firm basis for life-long learning. Careers could include lexicography, speech therapy, journalist, content writing, teaching, law, marketing, publishing and a range of opportunities in the arts and culture sector.



# ENGLISH LITERATURE

English Literature allows students to read widely and independently, and engage with texts critically and creatively. You will develop your knowledge of literary analysis which will enable you to develop your own critical voice by exposing you to key authors and critics, and the way such writers have responded to texts and contexts.

## MODULES/TOPICS

### Component 1: Drama

Section A: 'Othello'

Section B: 'A Streetcar Named Desire' by Tennessee Williams

### Component 2: Prose - Science and Society

'Frankenstein' by Mary Shelley

'The Handmaid's Tale' by Margaret Atwood

### Component 3: Poetry

Section A: Contemporary Poetry – Poetry of the Decade Anthology

Section B: Poetry Collections – The Romantics (1780-1830)

### Component 4: Coursework

Students study 'The Lonely Londoners' by Sam Selvon' and a free choice of a second comparison text.

## PROGRESSION

At degree level English Literature can be studied as a single subject or can be combined with English Language or a wide range of other subjects. It can also lead to a number of English related degrees, specifically creative writing and journalism, and it could be a core subject for a teaching qualification. It is a subject which has transferable skills and those who study English Literature have a wide range of career opportunities including content writing, advertising and marketing, alongside opportunities in the arts and culture sector.



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# FILM STUDIES

Film Studies is designed to deepen your understanding, appreciation and enjoyment of film, the major art form of the 20th Century, and one developing new modes of expression and exhibition in the first decades of the 21st Century.

## MODULES/TOPICS

### Component 1: Varieties of film and filmmaking:

Section A: Hollywood 1930 - 1990 (comparative study)

Section B: American film since 2005

Section C: British film since 1995 (two-film study)

### Component 2: Global filmmaking perspectives:

Section A: Global film (two-film study)

Section B: Documentary film

Section C: Film movements - Silent cinema

Section D: Film movements - Experimental film (1960-2000)

### Component 3: Production:

Practical coursework of either a short film or a screenplay and accompanying digital story board, as well as a written evaluation.

Core study areas include key elements of film form (Cinematography, Editing, Sound and Mise-en-scene), meaning and responses from spectators, and the contexts of film.

## PROGRESSION

A Level Film Studies will not automatically offer a career in film, TV or journalism. Practical work experience is often the way forward, usually starting as a runner or getting involved with other local film makers, production companies to build a portfolio of work and industry contacts. Students wishing to pursue a career in film/media industry are encouraged to seek out work experience placements. Past students have gained work experience on ITV crime drama Vera and the 2012 film The Liability, both of which were shot locally.

# FRENCH

This subject will be of interest to you if you have a natural interest in the French language and French speaking cultures. It will encourage you to widen your horizons on a variety of contemporary issues that are rooted in the target language countries. You will focus on spoken expressions and response in French, and understanding and written response.

## MODULES/TOPICS

A level French helps you explore a wide range of topics, which will add to your understanding of the language and country. Topics are:

### Year 1

- Evolution of French society: family, education, world of work.
- Political and artistic culture in French-speaking countries (music, media, festivals and traditions).
- In addition, we study a film: Intouchables.

### Year 2

- Immigration and multiculturalism in France (positive impact of immigration, the challenges of immigration and integration, the far-right).
- The Occupation and Resistance (occupied France, Vichy regime, Resistance).
- In addition, we study a novel: No et Moi.

You will also learn new grammar and vocabulary and you will be able to translate into and out of French. You will develop your critical thinking, creativity, independence and skills of analysis. You will also develop skills to be able to learn other languages.

## PROGRESSION

Students typically progress to study French with another language, possibly Spanish or Italian, or even Arabic or Chinese, at university. Joint honours degrees or combined degrees are a popular choice for language specialists. For example: French with Business or French with Politics. Language-based careers can include teaching, translation and interpreting, working with a language in a sales or export environment, in business development or as a logistics specialist, working abroad or in a multinational company.



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# FURTHER MATHEMATICS

Further Mathematics is designed to broaden and deepen the mathematical knowledge and skills developed when studying A-level Mathematics. It is a useful subject for students looking to study subjects such as Maths or Physics at university.

## MODULES/TOPICS

### Core Pure Mathematics

Proof, Complex Numbers, Matrices, Further Algebra & Functions, Further Calculus, Further Vectors, Polar Coordinates, Hyperbolic Functions, Differential Equations

### Further Mechanics

Momentum and Impulse, Work, Energy and Power, Elastic Strings and Springs, Elastic Energy, Elastic Collisions in one and two dimensions

### Decision Mathematics

Algorithms and Graph Theory, Algorithms on Graphs and Networks, critical Path Analysis, linear Programming

## PROGRESSION

Further Maths students often go on to study Maths or Physics based degrees at top universities including Russell Group institutions. It is also a good basis for those studying engineering, computing, economics or any science based courses







# GEOGRAPHY

Geography is the study of Earth's landscapes, peoples, places and environments. It is, quite simply, about the world in which we live. Studying Geography will give you the opportunity to develop your awareness and understanding of the world in which you live. You will develop knowledge of locations, places, processes and environments, and you will look at a variety of geographical scales from local to global and at a range of temporal scales.



## MODULES/TOPICS

- Regenerating Places
- Coasts
- Tectonics
- Globalisation
- Superpowers
- Water and Carbon cycle



## PROGRESSION

Geography is unique in that it is an interdisciplinary subject; it can be both a Humanities and a Science subject at university. Geography is great for any kind of career that involves the environment, planning, or collecting and interpreting data. Popular careers for people with geography qualifications include town or transport planning, surveying, conservation, sustainability, environmental planning, tourism, and weather forecasting.

# GRAPHIC COMMUNICATION

Graphic communication is about communicating ideas and information through graphic imagery involving visual and textual content. You will be encouraged to develop individual solutions to design briefs in both traditional and digital media. Areas of study include advertising, packaging design, design for print, illustration and communication graphics.

## MODULES/TOPICS

You will produce practical and critical/contextual work in one or more areas of study, for example, advertising, packaging design, design for print, illustration, communication graphics and branding.

### Component 1 (Personal investigation)

You will develop work for a personal investigation into an idea, issue, concept or theme supported by written material of 1000-3000 words.

### Component 2 (Externally set assignment - 15 hours supervised time)

You will produce personal work in response to one of eight exciting starting points.

## PROGRESSION

You could progress to a Diploma in Foundation Studies in Art and Design, a Foundation Degree, Higher National Diploma or BA Honours Degree. Studying a Graphics related degree at university can give you all sorts of exciting career options, including graphic communication roles such as free-lance graphic design, illustration, typography, packaging design, games design, animation, web/app design, film/tv graphics, motion graphics, interactive design, exhibition design, interior/spatial design, production design, or scientific/medical illustration. It could also lead to roles in advertising, marketing, publishing, studio management, art directing or teaching.



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# HISTORY

**“Those who cannot remember the past are condemned to repeat it.” -George Santayana. You will study the history of a range of different periods and nations, and analyse the political, social and economic trends and developments of these periods. This will enable you to develop a broad historical understanding.**

## MODULES/TOPICS

### **Britain 1930-1997**

- Enquiry topic – Churchill 1930-1951
- Conservative domination 1951-1964
- Labour and Conservative governments 1964-1979
- Thatcher and the end of consensus 1979-1997
- Britain's position in the world 1951-1997

### **American Revolution 1740 - 1796**

- Development of British hegemony in America
- Causes of the American Revolution
- The American Revolution
- The Early Republic 1783-76

### **Russia and its Rulers 1855-1964**

- The nature of government
- The impact of dictatorial regimes on the economy and society of the Russian Empire and the USSR
- The impact of dictatorial regimes on the economy and society of the Russian Empire and the USSR
- Russia: Empire, nationalities and satellite states
- Alexander II's domestic reforms
- The Provisional Government
- Khrushchev in power 1956-1964

### **Historical Enquiry**

Anti-Semitism in Germany 1918-45

## PROGRESSION

The skills you acquire will enable you to progress onto a range of degrees in humanities, as well as law or teaching qualifications. Careers could include working in the heritage and museum sector, archivist, teacher, journalism and political work. The skills you gain in studying History are transferrable in a number of industries and the business sector.



# LAW

Law affects every area of our lives. It happens around us and changes on a daily basis. We are aware of how it touches the lives of individuals and its overall impact on society as a whole. This course gives you an understanding of how the legal system works, and not just what the law is. It looks at the roles of the legal professionals (solicitors, barristers, judges and legal executives), as well as how laws are made and then enforced.

## MODULES/TOPICS

### The Legal System

The Civil and Criminal Courts, The appeals process, The legal profession including the role of Barrister, Solicitor, Judge, Lay people- Juries and Magistrates, Funding, Evaluation

### Criminal Law

Actus Reus and Mens Rea, Assault and Battery, Grievous Bodily Harm, Murder, Voluntary manslaughter, Theft, Burglary, Robbery, Defences

### Law Making

Parliamentary law making, Delegated Legislation, Statutory interpretation, Judicial precedent, European law, Evaluation

### Law of Tort

Negligence, Occupier's Liability, Nuisance, Vicarious Liability, Remedies, Defences

### The Nature of Law

The distinction between Law and Morality, Law and Society, Law and Justice

### Contract Law

Formation of a contract, Terms, Misrepresentation, Discharge and Remedies

## PROGRESSION

Most students progress to university. On completion of a Law degree you could decide to continue training to become a solicitor or barrister. Other career options could include police, probation service, civil service, accountancy, in house legal, entertainment or sport law.



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# MATHEMATICS

Maths is an exciting and challenging subject, aiming to develop your understanding of maths and mathematical processes in a way that promotes confidence and fosters enjoyment. You will extend your maths skills and techniques and be able to recognise how a real-life situation may be represented mathematically.

## MODULES/TOPICS

### Pure Mathematics Content

- Topic 1 – Proof
- Topic 2 – Algebra and functions
- Topic 3 – Coordinate geometry in the (x, y) plane
- Topic 4 – Sequences and series
- Topic 5 – Trigonometry
- Topic 6 – Exponentials and logarithms
- Topic 7 – Differentiation
- Topic 8 – Integration
- Topic 9 – Numerical methods
- Topic 10 – Vectors

### Applied Mathematics:

#### *Statistics*

- Topic 1 – Statistical sampling
- Topic 2 – Data presentation and interpretation
- Topic 3 – Probability
- Topic 4 – Statistical distributions
- Topic 5 – Statistical hypothesis testing

#### *Mechanics*

- Topic 6 – Quantities and units in mechanics
- Topic 7 – Kinematics
- Topic 8 – Forces and Newton's laws
- Topic 9 – Moments

## PROGRESSION

Maths graduates have one of the highest rates of graduate employment. Mathematicians enter a very wide range of career areas ranging from aerospace and defence to finance. Studying Maths provides you with valuable skills and a firm base for life-long learning. Maths is highly regarded within higher education and is frequently considered as a 'required subject' for entry onto certain degree courses. Previous students have gone on to study a variety of subjects ranging from economics to medicine.





# MEDIA STUDIES

Today we live in a media-saturated society, where not a day goes by where we do not consume media. The media landscape is rapidly changing with the development of new technology changing the way media is produced, and how we consume and interact with the media.

This course equips you with the knowledge and skills to critically evaluate the media, exploring media language to understand how messages are communicated, institutions and ownership influencing production, and the way audiences consume. We will explore the role that media plays in society and debate the potential effects of media on audiences. Context will be a key area of study, discussing the significance of culture, society and politics.

## MODULES/TOPICS

**Component 1: Media Products, Industries and Audiences** - This module explored media language, representation, media industries, audiences and media contexts. Students will assess media language and representation and contexts in relation to different media forms: advertising, marketing, music video, radio, video games or newspapers.

**Component 2: Media Forms and Products in Depth**  
You will study three media forms in depth, exploring all areas of the theoretical framework - media language, representation, media industries, and audiences - in relation to set products, which include television, magazines, blogs and websites.

**Component 3: Cross-Media Production**  
Students will undertake research into genre, existing products and audience to create a media text according to a brief, which will be accompanied by a statement of their aims and intentions.

## PROGRESSION

Many students progress to university to study subjects such as Film, Media, Communication and Cultural Studies, PR and Journalism. Many of the degrees are a mix of practical work and theory. Previous students have gone on to become journalists as well as working in TV and Film in a variety of roles.



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# MUSIC TECHNOLOGY

This qualification will support students in forming personal and meaningful relationships with music technology through the development of musical knowledge, understanding and skills. These include recording, technology-based composition, listening, analysing and producing. Students will be encouraged to engage with a wide range of music technology techniques and develop an understanding of the historical and cultural contexts of the use of music technology in the creation and production of music.

This qualification will also allow students to develop particular strengths and interests, encourage lifelong learning and provide access to higher education and university degree courses in music technology and music technology-related subjects, as well as music technology-related and other careers

## MODULES/TOPICS

**Area of Study 1:** Recording and production techniques for both corrective and creative purposes In component

**Area of Study 2:** Principles of sound and audio technology In component

**Area of Study 3:** The development of recording and production technology In component

## PROGRESSION

**Jobs directly related to a music degree include:**

- Music producer
- Music therapist
- Musician
- Private music teacher
- Secondary school teacher
- Sound designer
- Sound engineer
- Sound technician, broadcasting/film/video
- Special effects technician



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# PHILOSOPHY, ETHICS AND RELIGION

Philosophy, Ethics and Religion has a multidisciplinary nature, involving textual study, philosophical thinking, ethics, social understanding and the skills of analysis and reasoning. It provides an excellent opportunity for you to engage with contemporary contentious issues, developing social, cultural, political, philosophical and historical awareness. You will learn to understand your own identity and to understand human rights and responsibilities.

## MODULES/TOPICS

**Philosophy:** Arguments for the existence of God, Problem of Evil, Religious Experiences, Miracles, Life after death, Religious Language.

**Ethics:** Meta Ethics, Free will and Moral Responsibility, Conscience, Natural Moral Law, Utilitarianism, Situation Ethics, Virtue Ethics, Applied ethics to human and animal life and death.

**Buddhism:** The Life of the Buddha, his enlightenment, teachings and death. The use of the Pali Canon. The Religious Community, Buddhism and Gender, Science, Secularism and Migration.



## PROGRESSION

Philosophy, Ethics and Religion is widely taught at many universities, sometimes as its own subject, or combined with Theology.

A Religious Studies, Philosophy or Theology degree is well respected by employers and graduates enter a very wide range of career areas as it teaches transferrable skills.





# PSYCHOLOGY

**Psychology is the scientific study of the mind and human behaviour. If you are interested in understanding the complexity of human nature, then Psychology will give you an insight into how and why people behave in certain ways.**

## MODULES/TOPICS

- Social Psychology
- Cognitive Psychology
- Biological Psychology
- Learning Psychology
- Child Psychology
- Clinical Psychology

During these topics you will develop an understanding of research skills and be required to conduct your own practical studies. As such it is useful for students to have sound numerical and scientific skills.

The issues and debates topic highlights these skills and requires you to critically discuss the scientific challenges when studying psychology. These include ethics, culture and gender issues and social control.

## PROGRESSION

For any career involving interactions with others, psychology will be a useful underlying skill. This includes careers such as police, nursing, human resources, advertising, law, politics, teaching, research and many more. Careers directly related to psychology are broad and include working in traditional roles as clinical, educational, forensic or occupational psychologists as well as the more progressive areas such as health and sports psychology.



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# PHYSICS

Physics allows you to appreciate how fundamental science works. It is problem solving on both the largest and the smallest scale imaginable. Physicists use the laws they uncover to develop new materials, machinery, and technology to improve our lives and help us explore the universe further, from computers to telescopes and spacecraft.

## MODULES/TOPICS

### First Year content:

- Forces and motion
- Electricity
- Waves
- Quantum Physics
- The particle world

### Second year content:

- Circular motion
- Simple harmonic motion
- Gravitational fields
- Electric fields
- Magnetic fields and Induction
- Thermal Physics
- Nuclear Physics
- Radiation

## PROGRESSION

Physics A Level is frequently considered as a 'required subject' for entry onto certain degree courses which means it can be useful for accessing a wide range of university courses.

Physics offers an infinite number of amazing career opportunities including geophysicist/field seismologist, healthcare scientist, medical physics, research scientist (physical sciences), scientific laboratory technician, meteorologist, operational researcher, product/process development scientist, systems developer, technical author.



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# POLITICS

Government and Politics is the study of political behaviour, processes and institutions, including the relationship and interactions between different institutions and groups. This subject will be of interest to you if you are keen to discuss and learn more about current affairs and political issues. You will develop a broad knowledge and understanding of the political system of the UK. You will also examine the US political system as well as the key issues that drive the UK political debate and the ideologies from which they are derived.

## MODULES/TOPICS

### Topics studied include:

- People, Politics and Participation.
- Governing
- Modern Britain.
- The Politics of the USA.
- Political Issues.

## PROGRESSION

Many students go on to study politics at university. From there you might become a researcher, join local or national government or even start on the path to become a future Prime Minister!

# SOCIOLOGY

Sociology is a social science concerned with the study of human social relationships and the various ways these relationships are patterned in terms of social groups, organisations and societies. You will look at the diversity of family types in our society today, whether childhood still exists, which gender performs better within education and why this is. You will research patterns in criminal behaviour and the impact of the mass media upon individuals by assessing issues such as whether exposure to violent media can make us act in a violent way. You will take part in discussions and debates in relating to controversial topics and will develop and apply knowledge of research methods.

## MODULES/TOPICS

### Topics include:

- Culture and Identity
- Education
- Mass Media
- Crime and Deviance
- Theory and Methods

## PROGRESSION

Many students study Sociology at degree level, many choosing to focus on specific elements, such as criminology.

Sociologists tend to progress into careers within the caring profession in occupations such as mental health nursing, social work, teaching and jobs within human resources



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# SPANISH

This subject will be of interest to you if you have a natural interest in the Spanish language and Spanish speaking cultures. It will encourage you to widen your horizons on a variety of contemporary issues that are rooted in the target language countries. You will focus on spoken expressions and response in Spanish, and understanding and written response.

## MODULES/TOPICS

The key topic areas are:

- Evolution of Spanish society: family, work, tourism
- Culture in Spanish speaking countries: music, media, customs and traditions.
- Immigration and Spanish multicultural society: positive impact of immigration, challenges of immigration and integration, public and social response to immigration.
- Dictatorship of Franco and transition to democracy: Spanish Civil War and Franco, dictatorship, transition from dictatorship to democracy.

You will also learn new grammar and vocabulary and you will be able to translate into and out of Spanish. You will develop your critical thinking, creativity, independence, communication and analytical skills.

## PROGRESSION

Students typically progress to study Spanish with another language, possibly French or Italian, or even Arabic or Chinese, at university. Joint honours degrees or combined degrees are a popular choice for language specialists. Example include: Spanish with Business or Spanish with Law.

Language-based careers can include teaching, translation and interpreting, working with a language in a sales or export environment, in business development or as a logistics specialist, working abroad or in a multinational company.



# SPORTS SCIENCE

Sports Science will enhance your knowledge and increase your understanding of the factors that affect performance and participation in physical education. The qualification aims to equip you with the skills and knowledge required for Higher Education or the world of work. This is a classroom based course which addresses topics such as: anatomy and physiology, sports psychology and the use of technology in sport to enhance performance.



## MODULES/TOPICS

A Level PE offers a holistic and in-depth insight into a wide range of important and interesting topics.

**The course has three main modules/sections:**

Module A - Sports Science

Module B - Sports Psychology

Module C - How sport has influenced and changed society

## PROGRESSION

**Jobs directly related to your degree include:**

- Exercise physiologist.
- Fitness centre manager.
- Personal trainer.
- Secondary school teacher.
- Sports administrator.
- Sports coach.
- Sports development officer.
- Sports therapist.







# STATISTICS

Statistics is an exciting subject that has direct applications in nearly every aspect of life. We use statistical analysis to tackle current real-world issues and we look at the data behind major headlines. For example we will cover the statistical methods that are used to decide if vaccines are safe and we will look misleading graphs that have been shared in the media in recent years. If you enjoy maths at GCSE but you don't want to take A-level Maths, or you don't want the algebra side of maths, the Statistics might be the right course for you!

## MODULES/TOPICS

**The key topic areas are:**

- Measures of location and spread
- Representing data
- Correlation
- Sampling
- Hypothesis Testing
- Probability
- Statistical Distributions
- The Statistical Enquiry Cycle

## PROGRESSION

**Jobs directly related to a statistics degree include:**

- Actuarial analyst
- Actuary
- Civil Service fast streamer
- Data analyst
- Data scientist
- Financial risk analyst
- Investment analyst
- Market researcher
- Operational researcher
- Statistician



A portrait of Lui Bauer, a young man with dark hair and glasses, wearing a dark sweater. The background is a blurred indoor setting. The portrait is partially overlaid by a blue and teal geometric graphic on the left side of the image.

**LUI  
BAUER**

**STUDIED  
A LEVELS  
AT NSFC**

**HE ACHIEVED A\*, A\*, A\*  
IN ENGLISH LANGUAGE,  
FILM STUDIES & LAW**

**CONGRATULATIONS  
TO ALL OUR CLASS  
OF 2022**

**#GOFURTHER**

[www.nsfc.co.uk](http://www.nsfc.co.uk)



# NSFC HONOURS PROGRAMME

**We were delighted to launch our first ever honours programme in 2020 to support high starting students who have the potential to progress onto highly selective university courses.**

Getting a degree from a leading university remains one of the surest routes to social mobility, as well as having a host of other individual and societal benefits and NSFC is committed to ensuring students realise their ambitions.

Participation in the Honours Programme will give students opportunities to develop their academic profile through involvement in learning beyond the curriculum. Students will initially be selected for the Honours programme based on entry grades from GCSE.

The deadline for applications to join our Gold Award programme which is the enhanced option for all Honours students is will be in the first term of the college year.



# ACCESS TO LEVEL 3

If you are keen to do A Levels but didn't quite get the grades, you can improve your results with this programme which allows you to do 4 GCSEs in a year. These could be resits or entirely new subjects. Entry to this study programme is discussed on an individual basis but typically requires a combination of GCSE's at Grade 3.

It is useful to have at least one or two passes (grade 4) as this will help you succeed after the programme, because many schools, colleges and employers look for at least five GCSEs. If you have not passed either your Maths or English, these subjects would be compulsory. It is really important that we can help you succeed at your GCSEs so your application will be followed by an admissions appointment to confirm this is the right option for you.

At enrolment you will have another chat with a senior member of staff, they will look at your existing GCSE results, your planned progression route and possible future career choices.

Attendance, attitude and motivation are all essential for success. We will discuss these with you and will also ask for a recent school report. There may be occasions where we contact your previous school for a reference.

To apply for A2L3, just complete the standard A Level application form, and select A2L3 and your subject choices will be discussed at interview.





# NCG Guarantee

Newcastle Sixth Form College is proud to be part of NCG, one of the country's leading college groups.

We are one of seven colleges across the country that make up NCG, meaning we're a key part of providing education and training to learners, apprentices and employers across the UK. Together, we share expertise, support each other to grow, help each other to innovate and accomplish real change for individuals, communities and economies across the country.

## Student benefits

Students studying at any of our colleges benefit from the NCG Guarantee. This guarantee gives all our students access to a range of tools and initiatives centred around a core set of principles. Our courses, additional support services and enrichment activities will equip you with a wider set of skills, all of which aim to make you more employable.

Put simply, the NCG Guarantee gives students access to additional activities, resources and initiatives to help you achieve your ambitions and career goals.

The NCG Guarantee is centred around:

- Employability
- Community
- Enterprise
- Mental Fitness
- Digital

Throughout your time with us you will be involved in a range of projects and initiatives focused on these principles. Coupled with excellent teaching and learning, you will complete your course with a unique set of skills which help set you up for your future.





**HELEN  
CHONG**

**STUDIED  
A LEVELS  
AT NSFC**

**SHE ACHIEVED A B B  
IN DRAMA, ENGLISH  
LITERATURE & SPANISH**

**CONGRATULATIONS  
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OF 2022**

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