



**Barr's Hill School**  
*Building Brighter Futures*



*Building Brighter Futures*



**STOKE PARK**  
— SCHOOL —



**The Futures Trust**  
*Building Brighter Futures*





# The Wolger Building

Post 16 Ethos

- 1. Aims and objectives
- 2. Learning, experience and activity
- 3. Assessment and feedback

Key Outcomes Post 16 and beyond

Outcome	Assessment	Feedback
1. Aims and objectives	1. Aims and objectives	1. Aims and objectives
2. Learning, experience and activity	2. Learning, experience and activity	2. Learning, experience and activity
3. Assessment and feedback	3. Assessment and feedback	3. Assessment and feedback

Key Outcomes Post 16 and beyond

Outcome	Assessment	Feedback
1. Aims and objectives	1. Aims and objectives	1. Aims and objectives
2. Learning, experience and activity	2. Learning, experience and activity	2. Learning, experience and activity
3. Assessment and feedback	3. Assessment and feedback	3. Assessment and feedback









# Art

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Art and Design you need:

A grade 5 or above at GCSE in Art and Design or Textiles, or a portfolio of work you have completed in your own time.

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## Topics covered

### Year 12

Component 1: Personal Investigation

Practical Investigation supported by written material.

The focus of the investigation must lead to a finished outcome or series of related finished outcomes.

### Year 13

Component 2: Externally Set Assignment

A preparatory period followed by a 15 hour exam in which students must produce a finished outcome or a series of finished outcomes.

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Record experiences and observations, in a variety of ways using drawing or other appropriate visual forms
- Undertake research and gather, select and organize visual and other appropriate information
- Explore relevant resources
- Use knowledge and understanding of the work of others to develop and extend thinking and inform work

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## Assessment

There is one, 15 hour external exam sat in May at the end of year 13.

The external exams:

- Component 2: Externally Set Assignment

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## Educational trips, visits and wider experiences

We commit to organising visits for all students including trips to key galleries in London such as the Tate and the Tate Modern. Students can apply to become an Art Ambassador, where they can gain leadership skills and can be involved with the organising and delivery of Art and Textiles clubs across key stage 3. There is also the opportunity to support in Art and Textiles lessons for those who wish to gain work experience within the department.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Art and enjoy experimenting and exploring your ideas and thoughts on a range of topics through self-expression.

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## For more information contact:

Mr D Jandu - Head of Art and Design  
DJandu@stokepark.coventry.sch.uk

Miss H Pinder - Art Teacher  
hpinder@stokepark.coventry.sch.uk



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University College London Fine Arts BA (Hons)	ABB	Creative Arts and Humanities BA Arts and Sciences BAsc (Hons)
Nottingham Trent University Animation BA (Hons)	112 UCAS Points at A Level	Costume Design and Construction BA (Hons) Design for Film and Design BA (Hons)
Oxford University Fine Arts BFA BA (Hons)	AAB or AAA	N/A
Loughborough University Fine Art BA (Hons)	ABB from 3 A Levels	Graphic Design BA (Hons) Fashion Design and Technology BA (Hons)

Career Opportunities

Animator

What would I do?

An Animator produces multiple images called frames, which when sequenced together create an illusion of movement - this is known as animation. The images can be made up of digital or hand-drawn pictures, models or puppets.

Animators tend to work in 2D, 3D model-making, stop-frame or computer-generated animation.

Computer-generated animation features strongly in motion pictures (to create special effects or an animated film in its own right), as well as in aspects of television, the internet and the computer games industry.

The basic skill of animation still relies heavily on artistic ability, but there is an increasing need for animators to be familiar with technical computer packages.

Salary: Starting: £15,000  
UK average: £36,000  
Routes in: Bachelor’s degree in Animation

- Entry salaries are in the region of £12,000 to £15,000. Salaries in Computer Game Animation start higher at £18,000, rising quickly with experience.
- Experienced Animators can earn around £23,000 to £26,000.
- Salaries for Animators with at least ten years’ experience are around £36,000+

Art Therapist

What would I do?

As an Art Therapist you’ll use art as a medium to enable clients to communicate in a safe environment and to help them reflect on emotional issues and gain confidence and self-awareness. Clients can include children and adults with:

- emotional and behavioural difficulties
- learning or physical disabilities
- life-limiting conditions
- mental ill health
- neurological conditions
- physical illnesses
- speech and language difficulties.

Therapy may be carried out in group or one-to-one settings. Those who are referred to an art therapist don’t need to have experience of, or be any good at, art. You may work closely with other healthcare professionals, such as psychologists, speech and language therapists, social workers and occupational therapists, as part of a multidisciplinary team. Art therapists are also known as art psychotherapists and both job titles are legally protected by the Health & Care Professions Council (HCPC).

Salary: Starting: £32,000  
UK average: £53,000 or £90+ per hour  
Routes in: Relevant degree or HCPC approved training programme.

Fashion Designer

What would I do?

As a Fashion Designer, you’ll research current fashion trends, forecasting what will be popular with consumers, and take inspiration from the world around you to create fresh and original designs. You’ll decide on fabrics, colours and patterns, produce sample designs and adjust them until you’re happy with the final product.

You may work to your own brief or be given a brief to work towards, with specifications relating to colour, fabric and budget. In large companies, you’re likely to work as part of a team of designers, headed by a creative director, whereas if working for a small company as sole designer or for yourself, you’ll be responsible for all the designs. You’ll typically specialise in one area of design, such as sportswear, childrenswear, footwear or accessories.

Salary: Starting: £16,000  
UK average: £42,000- £85,000  
Routes in: Bachelor’s degree in Fashion or Textile Design





# Business

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

Entry requirements for this BTEC Level 3 qualification are 5 grade 4's at GCSE including English and Maths.

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## Topics covered

Core Content:

Unit 1 Exploring Business

Unit 2 Developing a Marketing Campaign

Unit 3 Personal and Business Finance

Unit 4 Managing an Event

Unit 5 International Business

Unit 6 Principles of Management

Unit 7 Business Decision Making

Unit 8 Recruitment and Selection

Plus optional content dependent on the interests of the group for example The English Legal System and Corporate Social Responsibility

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## Skills you will develop on the course

Students will develop a wide variety of skills including but not limited to:

Research

Presentation and communication

Team working

Critical thinking

Data analysis

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## Assessment

The course is assessed through a variety of methods including coursework, controlled assessments and exams.

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## Educational trips, visits and wider experiences

In addition to the high quality teaching, students will be offered the following experiences: Completion of online courses provided by universities to develop wider knowledge of the Business world, for example 'Power, Politics, and Influence at Work' through University of Manchester Level 2 Certificate in Financial Studies through the London Institute of Banking and Finance.

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## What type of students will do well on this course?

The course offers a broad introduction to the business sector and the functions that exist within different companies and organisations. It supports progression to higher education, including University and degree apprenticeships, so an interest in studying these subjects Post 18 is ideal.

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## For more information contact:

V Wright - [wright.v@barrshill.coventry.sch.uk](mailto:wright.v@barrshill.coventry.sch.uk)



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Warwick International Management	152 UCAS points	International Business with Modern Languages Economics Global Sustainable Development and Business Studies
King’s College London Business Management withYear in Industry BSc (Hons)	152 UCAS points	Economics and Management Accounting and Finance Management and Modern Languages
Durham University Accounting and Management with Placement Year — BA(Hons)	DDD	Accounting and Finance Economics Business and Management Marketing
City, University of London Business Management, Digital Innovation and En- trepreneurship BSc (Hons)	DDD	Business with Marketing International Business Financial Economics International Political Economy
Queen’s University Belfast Finance (with a Year in Industry) BSc (HonS)	128 UCAS points	Business Economics BSc Actuarial Science and Risk Management BSc Accounting BSc Mathematics with Finance BSc

Career Opportunities

Business Development Manager

What would I do?

- Researching organisations to find new customers and identify who makes the decisions
- Cold calling’ to arrange meetings at customers’ premises
- Finding out what an organisation needs and working with a team to plan proposals and pricing
- Selling products and services to new and existing customers
- Negotiating with customers and building positive relationships
- Attending events and conferences
- Writing reports and making presentations to customers and senior management
- Identifying new methods and opportunities for sales campaigns
- Forecasting sales targets and making sure they’re met delivering training to business developers and junior sales teams

UK average: £47,842

Routes in: With experience, you could progress to Senior Development Manager, Business Development Executive or Marketing Director.

Management Consultant

What would I do?

- Meeting clients to discuss what they need
- Carrying out research to gain an understanding of the client’s business interviewing managers, staff and customers
- Collecting and analysing data, and preparing reports identifying and investigating issues, and planning how to tackle them highlighting areas for improvement creating computer models to test possible business solutions presenting recommendations to the client
- Agreeing a course of action with the client providing ongoing support to the client

UK average: £41 ,866

Routes in: With experience, you could become a partner in a Management Consultancy, work freelance or set up your own consultancy firm.

Chief Executive Officer (CEO)

What would I do?

- Setting out the organisation’s aims and how it will meet them
- Making decisions about the organisation’s priorities
- Working closely with a senior management team to put policies in place
- Managing relationships with partners
- Making sure the organisation meets its legal obligations
- Reporting to the organisation’s chairperson or owner
- Promoting the organisation at conferences, events and in the media
- Controlling budgets

UK average: £85,239

Routes in: You could also work as a Management Consultant, advising clients on commercial strategy and policy.





# Biology

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## Entry Requirements

To take A Level Biology you need:

A grade 6 in Triple Biology or a grade 66 in Combined Science and a grade 6 in Maths

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## Topics covered

### Year 12 AS topics

- Topic 1: Biological Molecules
- Topic 2: Cells
- Topic 3: Organisms exchange substances with their environment
- Topic 4: Genetic information, variation and relationships between organisms

### Year 13 A2 topics

- Topic 5: Energy transfers in and between organisms
- Topic 6: Organisms respond to changes in their internal and external environments
- Topic 7: Genetics, populations, evolution and ecosystems

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in carrying out and evaluating practicals
- An ability to notice and understand links between different areas of Science
- Debating controversial topics
- Critiquing of scientific articles

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## Assessment

There are three external exams sat in May/June at the end of year 13 and 12 core practicals internally assessed throughout the two years.

The external exams are:

- Paper 1: Topics 1-4 (35%)
- Paper 2: Topics 5-8 (35%)
- Paper 3: Topics 1-8 (30%)

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## Educational trips, visits and wider experiences

We commit to organising visits for all students to Warwick or Coventry University where students will gain an insight into life as a Biology graduate, meeting university students and lecturers as well as conducting practicals in a university laboratory. Students can apply to become a STEM Student Ambassador, where they can gain leadership skills and be involved with the organising and delivery of STEM clubs across all age ranges at Stoke Park School. In the spring term, we participate in the British Biology Olympiad Competition, competing against biology students across the country. There is an opportunity for eligible students to do a Nuffield Research Placement over the summer between Year 12 and 13.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Biology, dedicated, demonstrate good time management and feel confident to seek support if necessary.

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## For more information contact:

Miss Jakubecz – Joint Head of Science  
ljakubecz@stokepark.coventry.sch.uk



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Birmingham Biological Sciences BSc (Hons)	AAB to include A Level Biology and a second A Level Science	Human Biology BSc (Hons) Human Biology with a year in professional placement BSc (Hons) Biological sciences with a study in Continental Europe
Coventry University Biomedical Science Chemistry BSc (Hons)	BBB to include A Level Biology	Biological and Forensic Science BSc (Hons) Human Biosciences BSc (Hons) Pharmacology BSc (Hons)
Oxford University Biology BA	A*AA (with A* in Science or Maths and one other Science required)	Biology (MBiol) Human Sciences (MBiochem) Biochemistry BA (Hons)
University of Plymouth Marine Biology BSc (Hons)	120-144 UCAS Tariff points from a minimum of 3 A Levels including Biology	Conservation Biology BSc (Hons)
Aberystwyth University Biology and Climate Change	BBB to BBC to include A Level Biology	Marine and Freshwater Biology BSc (Hons) Plant Biology BSc (Hons) Animal Behaviour BSc (Hons) Biochemistry BSc (Hons) Environmental Science BSc (Hons) Equine Science BSc (Hons)
University of Bristol Veterinary Sciences BVSc	AAA or A*AB to include Chemistry and one other science	Veterinary Nursing BSc (Hons)

Career Opportunities

Microbiologist

What would I do?

- monitor and identify microorganisms
- track microorganisms in a range of environments
- monitor and assess samples from a range of sources
- follow regular sampling schedules within a specific environment
- use a variety of identification methods, including molecular techniques, to test samples
- develop new techniques, products and processes
- develop and plan methods to prevent the spread of disease
- develop and register new medicines, vaccines, diagnostic tests and pharmaceutical products
- plan, implement and evaluate new products in clinical trials
- collect samples from different types of environments, such as agricultural sites
- develop products such as enzymes, vitamins, hormones and antimicrobials
- grow microbial cultures, e.g. for use in the food and drink industry or in agriculture
- work with specialist computer software to undertake studies and research
- manage and oversee laboratory work.

Salary: Starting: £32,000

UK average: £40,000 to £50,000

Routes in: Bachelor’s degree in Biology, Biomedical Science

Pharmacologist

What would I do?

- design, plan and conduct controlled experiments and/or clinical trials to improve understanding of a drug’s activity
- use computers, high technology measuring systems and other sophisticated equipment to collect, analyse and interpret data
- apply and develop the results of research to work through a variety of applications, such as new products, processes, techniques and practices
- draw up proposals for future developmental tests
- organise and oversee tests of new drugs and medicines, ensure quality control and secure approval for their use
- liaise with regulatory authorities to ensure compliance with local, national and international regulations
- plan, coordinate and supervise the duties of other technical staff and train or mentor early-career pharmacologists.

Salary: Starting: £15,285

UK average: £40,000

Routes in: Bachelor’s degree in Biology, Biomedical Science or Biochemistry

Genetic Counsellor

What would I do?

- manage your own caseload of patients - through face-to-face interactions, over the phone and via video (virtual clinics)
- take and interpret family and medical histories to calculate the risk of condition occurrence or recurrence
- assess which genetic tests are most appropriate for each patient
- order genetic tests and arrange medical and/or diagnostic testing of patients as well as testing of relatives
- interpret genetic tests and explain them in easy to understand language to patients and their relatives
- educate patients about inheritance patterns, testing, management, prevention, resources and research
- use counselling skills to promote informed choices and help patients adapt to the risk or condition
- refer patients for appropriate screening relating to their condition
- deal with psychological and ethical issues raised by individuals and their families
- keep patient records and write letters to patients
- work with other medical and healthcare staff as part of a multidisciplinary team of genetic consultants, clinical scientists and other consultants to ensure appropriate follow-up of patients.

Salary: Starting: £31,000

UK average: £47,000 - £90,000

Routes in: Bachelor’s degree in Biology, Biomedical Science





# Chemistry

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Chemistry you need:

A grade 6 in Triple Chemistry or a grade 66 in Combined Science and a grade 6 in Maths

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## Topics covered

### Year 12 AS topics

- Topic 1: Atomic Structure and the Periodic Table
- Topic 2: Structure and Bonding
- Topic 3: Redox I
- Topic 4: Inorganic Chemistry and the Periodic Table
- Topic 5: Formulae, Equations and Amount of Substance
- Topic 6: Organic Chemistry I
- Topic 7: Modern Analytical Techniques I
- Topic 8: Energetics I
- Topic 9: Kinetics I
- Topic 10: Equilibrium I

### Year 13 A2 topics

- Topic 11: Equilibrium II
- Topic 12: Acid-Base Equilibria
- Topic 13: Energetics II
- Topic 14: Redox II
- Topic 15: Transition Metals
- Topic 16: Kinetics II
- Topic 17: Organic Chemistry II
- Topic 18: Organic Chemistry III
- Topic 19: Modern Analytical Techniques II

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in carrying out and evaluating practicals
- An understanding of how Chemistry has an effect on every part of life
- Problem solving and logical thinking

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## Assessment

There are three external exams sat in May/June at the end of year 13 and 16 core practicals internally assessed throughout the two years.

### The external exams are:

- Paper 1: Advanced Inorganic and Physical Chemistry (30%)
- Paper 2: Advanced Organic and Physical Chemistry (30%)
- Paper 3: General and Practical Principles in Chemistry (40%)

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## Educational trips, visits and wider experiences

Students will have the opportunity to visit universities, attend lectures and workshops related to Chemistry, both virtually and online. Students can apply to become a STEM Student Ambassador, where they can gain leadership skills and be involved with the organising and delivery of STEM clubs across all age ranges at Stoke Park School. Students have the opportunity to compete in the Royal Society of Chemistry's Chemistry Olympiad, competing against Chemistry students across the country. There is an opportunity for eligible students to do a Nuffield Research Placement over the summer between Year 12 and 13.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Chemistry, dedicated, demonstrate good time management and feel confident to seek support if necessary. You should enjoy problem solving and be keen to take on challenges.

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## For more information contact:

Miss Jakubecz – Joint Head of Science  
ljakubecz@stokepark.coventry.sch.uk



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Birmingham Chemistry BSc (Hons)	ABB-AAB to include A Level Chemistry and a grade 7 at GCSE Maths	Chemistry MSci Chemistry with Medicinal Chemistry and Drug Discovery BSc (Hons)
University of Warwick Chemistry with Medicinal	AAB to include A Level Chemistry and Maths or one other Science	Chemistry with Industrial Placement MChem Chemistry with International Placement MChem
Keele University Education and Chemistry BSc (Hons)	BBC to include A Level Chemistry	Astrophysics and Medicinal Chemistry BSc (Hons) Biochemistry and Chemistry BSc (Hons) Chemistry and Mathematics BSc (Hons)
University of Oxford Chemistry with Foundation Year MChem (Hons) Chemistry BSc (Hons)	AAB to include Chemistry and Maths at grade A	Chemistry MChem (Hons) Biochemistry MBiochem
University of Reading Pharmaceutical Chemistry BSc (Hons)	BBB to include A Level Chemistry	Chemistry with Cosmetic Science BSc (Hons) Applied Chemistry BSc (Hons) Chemistry MChem
University of Bristol Veterinary Sciences BVSc	AAA or A*AB to include Chemistry and one other science	Veterinary Nursing BSc (Hons)

Career Opportunities

Anaesthetist

What would I do?

- preparing patients for surgery by explaining any risks or side effects
- giving anaesthetics to patients
- observing and monitoring patients during surgery
- resuscitating and stabilising patients in the emergency department
- relieving pain during childbirth
- easing pain after an operation
- managing acute and chronic pain
- helping psychiatric patients receiving electric shock therapy

Salary: Starting: £28,000 - £33,000

UK average: £86,900

Routes in: To become a doctor specialising in anaesthetics you'll need to complete:  
-a 5-year degree in medicine, recognised by the General Medical Council (GMC)  
-a 2-year foundation programme of general training  
-a 7 or 8 year training programme of specialist training

Toxicologist

What would I do?

- Assessing a patient's symptoms or other signs (e.g. if the patient smelt strongly of alcohol or had been foraging for unusual mushrooms) to see if there is an obvious cause of the poisoning
- Analysing patient specimens, including bodily fluids, use a range of techniques and specialised equipment to search for the cause
- Discussing and advising on patients' treatment with other medical specialists
- Conducting clinical research, including the development and trials of new tests and treatments
- Writing reports that may be required by the justice system

Salary: Starting: £20,000 - £30,000

UK average: £38,000 - £39,000

Routes in: Through the NHS Scientist Training Programme, for which you will need an undergraduate honours degree in a pure or applied science such as Biochemistry.

Chemist

What would I do?

- inventing and developing new medicines and products
  - investigating environmental issues
  - diagnosing and treating illness and disease
  - analysing forensic evidence
  - teaching, lecturing and carrying out academic research
- Your day-to-day tasks may include:
- designing and conducting laboratory experiments
  - making observations and noting results
  - writing reports and presenting your findings

Salary: Starting: £24,000 - £28,000

UK average: £38, 437

Routes in: A degree accredited by the Royal Society of Chemistry in Chemistry, Applied or Analytical Chemistry, Biochemistry





STOKE PARK  
— SCHOOL —

# Computer Science

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## Entry Requirements

To take A Level Computer Science you need:  
5 Grade 5 GCSEs.

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## Topics covered

### Year 12 topics

- Unit 1 - Components of a Computer and their uses
- Unit 2 - System software and application generation
- Unit 3 - Software development
- Unit 4 - Exchanging Data
- Unit 5 - Networks and web technologies
- Unit 6 - Data Types

### Year 13 topics

- Unit 7 - Data structures
- Unit 8 - Boolean
- Unit 9 - Legal, moral and ethical issues
- Unit 10 - Computational thinking
- Unit 11 - Programming
- Unit 12 - Algorithms

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in creating and adapting programming code to meet modern problems
- Gaining an understanding of the moral and ethical issues surrounding Computer Science
- Develop Computational thinking techniques to help solve complex problems efficiently to a high standard.
- Developing project management techniques to help manage large scale tasks.

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## Assessment

There are two external exams sat at the end of the course and one Non-Examined Assessment completed over 100 hours in Y13. The Assessed material includes

- Paper 1: Computer Systems (40%)
- Paper 2: Algorithms and Programming (40%)
- NEA Programming Project (20%)

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## Educational trips, visits and wider experiences

Students are given the opportunity to develop their skills in Computer Science club and attend programming meetups with other schools to compare and complete at hackathon style challenges.

Students compete at the Oxford University Brebas challenges against groups from across the country. They have the opportunity to compete against highly competitive groups in the grand finals in a range of computational challenges.

Students will have the opportunity to work with Warwick University E-sports team and help develop the E-sports program at Stoke Park that can be further developed into your final A-level programming project.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Technology, dedicated, a strong problem-solving mindset, enjoying puzzles and demonstrate good time management. An ability to feel confident to seek support if necessary.

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## For more information contact:

Mr Packwood - Head of Computer Science  
staffbpa@stokepark.coventry.sch.uk



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Sheffield Computer Science BSc (Hons)	AAB – AAA to include A in Maths and B in Computer Science	Software Engineering MEng Electric and Electronic Engineering MEng
Coventry University Computer Science BSc	BBB	Data Science MSci/BSc (Hons) Ethical Hacking and Cyber–Sec MSci/BSc Games Technology BSc
Warwick University Computer Science Bsc(Hons)	A*A*A with A in Maths	Computer System Engineering BEng Computer Science with Business Studies BSc
University of Nottingham Computer Science Bsc(Hons)	AAA - A*AA with A in Maths	Computer Science with Artificial Intelligence BSc Computer Science with Cyber Physical Systems BSc
Sheffield Hallam University Software Engineering	112 UCAS points	Computer Science for Games BSc Computer Science BSc (Hons)

Career Opportunities

Web Developer

What would I do?

You could work for a variety of businesses and public sector organisations.

- Projects you might work on could include:
- creating a secure online shopping website
  - developing a virtual learning environment (VLE) for a college
  - setting up a company intranet for staff
- Your day-to-day duties might include:
- working with the client, using test sites to see which ideas best suit their needs
  - building the framework – or ‘architecture’ – of the site
  - making sure the new site can be smoothly integrated into the client’s existing network
  - working on the site’s appearance
  - dealing with user access and security
  - testing the site under construction to find and fix any problems

Salary: Starting: £44,977

Computer Games Developer

What would I do?

- You’ll be working on computer games that may take several months or years to produce.
- Your day-to-day duties could include:
- deciding what a game should look like and how it should play
  - coming up with your own original ideas or working from an existing concept
  - creating the game’s visual characters, objects and scenery
  - producing concept art and drawings (storyboards) at the planning stage
  - bringing the characters, objects and scenery to life with computer modelling and animation software
  - creating the code to make the game work
- You’ll report to a producer or project manager, who oversees the whole process and makes sure that the finished game is completed on time.

Salary: Starting: £44,024

Systems Analyst

What would I do?

- You could work ‘in-house’ for a large organisation like an IT corporation, or for a small business. You could also work for a firm of consultants who go into many different businesses for specific projects. Your work could be in the public sector like government departments or the NHS, or in the private sector like financial services.
- Your day-to-day tasks may include:
- working out the business needs of your employer or client
  - working closely with programmers and software developers to build systems
  - overseeing testing to find problems before the final version of a system goes live
  - training staff and writing instruction manuals for new or upgraded systems
- You’ll need to make sure that your designs are future-proof, and are flexible enough to adapt as the organisation or business grows. You’ll use various computer-assisted software engineering (CASE) tools and programming methods.

Salary: Starting: £49,510





# Design and Technology

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## Entry Requirements

To take A Level Design you need:

5 grade 5 GCSEs including English Language and Maths

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## Topics covered

### Year 12 topics

- Topic 1: Materials
- Topic 2: Performance characteristics of materials
- Topic 3: Processes, techniques and specialist tools
- Topic 4: Digital technologies
- Topic 5: Factors influencing the design of products
- Topic 6: Effects of technological developments

### Year 13 topics

- Topic 7: Safe working Practices
  - Topic 8: Features of manufacturing industries
  - Topic 9: Designing for maintenance and the environment
  - Topic 10: Current legislation
  - Topic 11: Information handling, modelling and forward planning
  - Topic 12: further processes and techniques
- 

## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Your ability to design products of value, aesthetically and functionally
  - Gaining an understanding of materials and processes applicable to the wider world
  - Your ability to use a wide range of tools and equipment to produce working products
  - Evaluating and analyzing existing products and proposing solutions
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## Assessment

There is one external exam in Year 13 alongside a substantial design and make coursework that begins in Year 12 and ends in May of Year 13.

The external exam is:

Component 1: Principles of Design and Technology

Component 2: Independent Design and Make Project

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## Educational trips, visits and wider experiences

We commit to organising a range of guest speakers in Design and Technology, ranging from the engineering sector to F1 and prototyping. Students are able to lead on extra curricular clubs including an Art and Design club and a STEM club. Students are also able to develop their leadership skills and work with local primary schools to deliver Design and Technology classes to younger students as part of the transition experience.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about designing and making, dedicated to an extended piece of coursework and be able demonstrate your creative and problem solving skills to a wide range of problems. Keeping to strict deadlines is also a desirable characteristic.

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## For more information contact:

Mr Jandu - Head of Art and Design

DJandu@stokepark.coventry.sch.uk



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
Nottingham Trent University Product Design Ba (Hons)	BBC	Furniture Design Ba (Hons) Product Design BSc (Hons)
Coventry University Product Design Ba (Hons)	BBC	Automotive and Transport BA (Hons) Graphic Design BA (Hons)
Edinburgh College of Art Product Design BA (Hons)	BBC	Graphic Design BA (Hons) A range of Design courses including Animation, Fashion, Illustration, Textiles
Birmingham School of Architecture and Design Architecture Ba (Hons)	AAB preferably a Design course or Social Science	Art and Design Design Visualisation
Loughborough University Product Design and Technology BSc (Hons)	AAB preferably a Design course or Social Science	Design BA (Hons) Industrial Design BA (Hons) Product Design Engineering BEng (Hons)
University of Leeds Product Design BSc	ABB ideally in Design and Technology	Mechanical Engineering BEng (Hons) Automotive engineering BEng (Hons)

Career Opportunities

Architect

What would I do?

- create hand sketches, 3D models and detailed technical plans using computer aided design (CAD) software
- create a plan, following building laws and safety regulations
- find cost-effective ways to work within budgets
- manage construction projects
- choose or advise on materials
- visit sites to check building work and progress
- communicate and share ideas with clients, other architects, and architectural technologists and technicians
- write reports and job proposals and complete planning applications.

Salary: Starting: £30,000  
UK average: £30,000 to £45,000  
Routes in: Bachelor’s degree in Architecture

Product Designer

What would I do?

- discuss what your client wants
  - investigate how existing products work or how services are used
  - develop ideas and make initial sketches or outline plans
  - decide on suitable materials or resources
  - use computer design software to produce detailed blueprints
  - make samples or working models, known as prototypes
  - test and refine designs
- Salary: Starting: £15,285  
UK average: £22,000 – £45,000  
Routes in: Bachelor’s degree in Product Design

Genetic Counsellor

What would I do?

- meet clients to discuss their requirements and ideas
  - develop designs to suit clients’ needs, their budget, and the type of building
  - prepare initial sketches and mood boards for the client to approve
  - advise on use of space, colour schemes, fabrics, fittings and furniture
  - work out costs and prepare estimates
  - create detailed drawings from the initial sketches, usually on a computer
  - find suppliers of fittings, furniture, fabrics, and wall and floor coverings.
- Salary: Starting: £31,000  
UK average: £18,000 - £45,000  
Routes in: Bachelor’s degree in Interior, Art and Design or Interior Architecture





# Drama

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take Drama you need:

A Merit in Drama and a grade 5 in English

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## Topics covered

### Year 12 AS topics

- CAPA 310: Approaches to Acting
- CAPA 306: Planning for a career in the Creative and Performing Arts
- CAPA 313: Contemporary Theatre
- CAPA 315: Elizabethan or Jacobean Theatre
- CAPA 311: Auditions for Actors

### Year 13 A2 topics

- CAPA 309: Greek and Roman Theatre
- CAPA 304e: Performance Preparation

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop all of the top 9 employment skills:

- Confidence
- Team building / people management / coordinating with others
- Emotional intelligence
- Negotiation
- Problem solving
- Critical thinking
- Creativity

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## Assessment

Each unit is assessed internally and a body of evidence is created, this will be a mixture of practical performances, research, presentations and evaluations.

The external exam is:

- CAPA 304e: Performance Preparation

This is a brief that is released in the December of year 13. Students have set tasks with a time limitation which they will have to complete in controlled conditions. This is a mixture of research, performance and evaluation. This unit is worth 30% of the overall mark.

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## Educational trips, visits and wider experiences

We commit to organising visits that are available to all students such as theatre trips to watch performances and speak to industry professionals. As part of the careers unit we invite a wide range of industry professionals in from a range of roles from across the performing arts to speak to students about career progression in the industry. We also have theatre companies who visit and run workshops with the students. We work closely with other departments as well to explore cross curricular links through drama and theatre studies.

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## What type of students will do well on this course?

This course will suit anyone that wants to develop their confidence, team building, leadership, and problem solving and communication skills. Also, for anyone wanting to develop their knowledge and experience of Performing Arts in order to enter the Performing Arts industry. Performing Arts makes a great addition to your A Levels because it demonstrates your ability to learn and work in a variety of ways. This course is worth 1.5 A Levels.

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## For more information contact:

Miss Hall – Head of Performing Arts  
lhall@stokepark.coventry.sch.uk



Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
Central Lancashire BA (Hons) Acting	96 UCAS points at A2	Theatre and Performance BA (Hons) Dance BA (Hons) Music Production and Performance BA (Hons)
University of Lincoln BA (Hons) Technical Theatre and Stage Management	UCAS Tariff - 112 points From a minimum of 3 A Levels or equivalent qualification	Drama and Theatre BA (Hons) Drama and English BA (Hons) Musical Theatre BA (Hons)
Royal Holloway Drama and Theatre Studies (BA)	A Levels: AAB-ABB At least five GCSEs at grade A*-C or 9-4 including English and Mathematics.	Drama with Film BA Drama and Philosophy BA Performing and Digital Arts
York University BA (Hons) Theatre Writing	A Levels: AAB 36 credits at Distinction and 9 credits at Merit or higher	Business of Creative Industries BA Film and Television Production BSc (Hons) Interactive Media BSc (Hons)
Cambridge University BA (Hons) Law	A Levels: A*AA	English BA (Hons)
University of Sheffield BA Journalism Studies	BBB + B in the EPQ 45 credits at Level 3, including 30 at Distinction and 15 at Merit	Music BMus Law LLB

Career Opportunities

Actor	Theatre Director	Dramatherapist
<p>What would I do?</p> <ul style="list-style-type: none"><li>• Job seek and network</li><li>• Liaise with an agent</li><li>• Prepare for and attend auditions</li><li>• Learn lines and rehearse</li><li>• Research or undertake activities to help prepare for a part</li><li>• Discuss interpretation and delivery with other members of the company and the director</li><li>• Perform for a live audience</li><li>• Perform in a studio or on location for film, television, internet and radio broadcast</li><li>• Do voice-overs for advertisements or record audiobooks</li><li>• Manage the performance area, costumes and props</li><li>• Undertake activities associated with touring, such as driving a van, and ‘get-ins’ and ‘get-outs’ at theatres (i.e. setting up and dismantling the performance area)</li><li>• Liaise with venue managers and accommodation providers</li><li>• Keep records for company managers</li><li>• Work as a walk-on or extra for television or film</li></ul> <p>Salary: £21,333 UK average: £25,350 Routes in: BA (Hons) Acting</p>	<p>What would I do?</p> <ul style="list-style-type: none"><li>• Programming and budgeting</li><li>• Working with writers through workshops or script development schemes</li><li>• Adapting a script and, if the play is newly written, working with the writer or collaborating with playwrights</li><li>• Breaking down a script, analysing and exploring the content and conducting relevant research</li><li>• Translating and interpreting a script or musical score</li><li>• Holding auditions for productions, selecting and hiring designers, musicians, etc.</li><li>• Anaging time and organising people and space</li><li>• Attending production meetings with set designers</li><li>• Organising rehearsals</li><li>• Communicating and liaising with all parties involved, including actors, the creative team, the production team and producers</li><li>• Attending preview performances and preparing detailed notes for the cast and for the creative and production teams</li><li>• Helping to publicise the production by giving interviews and leading discussions</li></ul> <p>Salary: Starting: £22,086 UK average: £34,221 Routes in: BA (Hons) Theatre Writing, Directing and Performance</p>	<p>What would I do?</p> <ul style="list-style-type: none"><li>• Undertake assessment visits or appointments to evaluate and make decisions about treatment options for your clients</li><li>• Plan and implement group and individual client dramatherapy treatments</li><li>• Encourage and support your clients in creative drama and theatre work using techniques such as improvisation, storytelling, play, role play, masks, myth, ritual and script work</li><li>• Encourage self-awareness, exploration and reflection on feelings and relationships</li><li>• Initiate spontaneous exploration of personal issues</li><li>• Use appropriate equipment, materials and therapeutic props, such as puppets</li><li>• Organise and present a performance resulting from working with a group, if appropriate</li><li>• Take referrals from other professionals such as psychologists, social workers, nurses, teachers and other therapist staff</li><li>• Monitor and evaluate your clients’ progress, writing reports on their progress and the activities that you’ve undertaken with them</li><li>• Attend and contribute to team and multidisciplinary meetings where appropriate</li><li>• Attend regular supervision sessions</li></ul> <p>Salary: Starting: (NHS) Band 6 (£31,365 rising to £37,890) UK average: £38,890 - £73,664 Routes in: Drama and Theatre Studies (BA) and Dramatherapy MA</p>





## English Language and Literature

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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### Entry Requirements

Students will be expected to achieve a grade 6 in English Literature or Language at GCSE

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### Topics covered

#### Unit 1 : Telling Stories

Telling stories covers a range of themes from “Remembered Places” in our Paris Anthology and “Imagined Worlds” in “The Handmaid’s Tale” to Duffy’s “Poetic Voice”. The unit integrates methods of language analysis across the genres. It is assessed through a three-hour examination.

#### Unit 2: Exploring Conflict

In this unit we examine themes from “Dramatic Encounters” focusing on the conflict within Tennessee Williams’ “A Streetcar Named Desire” to writing about society and the roles of individuals in F. Scott Fitzgerald’s ‘The Great Gatsby’. The unit also provides the opportunity for creative writing and critical evaluation. Assessment is through a two-and-a-half-hour examination.

#### Unit 3: Non-Examination Assessment — Making Connections

The unit provides the opportunity for a personal investigation on a chosen theme in a literary and non-literary text of the student’s choice, culminating in an extended essay of 2500-3000 words.

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### Skills you will develop on the course

Students will develop the skills to read, think and write in a critical and academic way. Students will study a range of texts from different periods within the 20th and 21st Century and this will enable them to sharpen their ability to attribute contextual depth and understanding to texts.

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### Assessment

There are two exams and one coursework element. The exams form 80% of the grade and coursework accounts for 20% of the course grade.

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### Educational trips, visits and wider experiences

We commit to going to see a play at Shakespeare’s famous stage ‘The Globe’, visit Bristol University for taster sessions, work with and meet a journalist, visit The Library of Birmingham and visit Paris to further understand the city of Paris for the anthology component of Unit 1.

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### What type of students will do well on this course?

Students who will do well on this course are those who have a love and a passion for English. Students need to be prepared to read, think and speak critically and discuss critical theory and ideas amongst their peers. Students need to be driven and motivated.

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### For more information contact:

Miss Donaldson — Donaldson.k@barrshill.

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
Loughborough University English BA (Hons)	AAB including English (Literature, Language or both)	English with Business Studies (BA) English with Creative Writing (BA) Liberal Arts (BA)
University of York English BA (Hons)	AAA/A*AB including an A in English Literature (English Language and Literature is also acceptable)	English and Philosophy (BA) English and History (BA) English and Politics (BA)
University of Bristol English BA (Hons)	AAA including English Literature or combined English Literature and Language	English with Study Abroad (BA) English and Classical Studies (BA)

Career Opportunities

Digital Copywriter

What would I do?

- understand your target audience - you’re not writing for the client, you’re writing for their readers, so you’ll need to know what interests them
- identify key messages - understand the main thing that you want the reader to feel and do and how to communicate this powerfully
- work with creative teams to ensure that the visual elements of the webpage complement the words

**Salary:** Starting: Starting salaries for junior copywriters are between £22,000 and £30,000 per year or you can work as a freelancer and determine your own wage.  
**Routes in:** Bachelor degree in English

Secondary School English Teacher    Web Content Manager

What would I do?

- As a secondary school teacher you’ll teach pupils aged 11 to 18. Specialising in a particular subject, you’ll plan, teach and assess lessons in line with curriculum objectives.
- You’ll aim to ensure a healthy culture of learning and will support, observe and record pupils’ progress.
- Teachers must keep up to date with developments in their subject area, new resources, methods and national objectives. The role involves liaising and networking with other professionals, parents and carers, both informally and formally.

**Salary:** **Starting:** Starting: New entrants to the profession in England start on the main salary scale, which rises incrementally from £25,714 to £36,961  
**Routes in:** Relevant Bachelor’s degree and PGCE

What would I do?

- manage your company CMS, working with developers and editors to ensure it’s meeting the needs of your organisation
- conduct content audits to identify gaps and redundancies in the site content
- create and implement content schedules for people to produce or update content

**Salary:** Starting: Experienced web content coordinators, web content executives and web content managers can earn between £25,000 and £40,000.  
**Routes in:** Relevant Bachelor’s degree





# English Literature

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level English Literature you need:

5 grade 5 GCSEs including English Language and English Literature

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## Topics covered

### Year 12 topics

- Paper One – Love Through the Ages
- Topic 1: 'Othello' by William Shakespeare
- Topic 2: 'The Great Gatsby' by F. Scott Fitzgerald and a Pre-1900 poetry anthology
- Topic 3: Unseen Love Poetry from across time

### Year 13 topics

- Paper Two – Literature in Context (World War One)
- Topic 4: Prose text – 'Life Class' by Pat Barker
- Topic 5: Drama text: 'Journey's End', by R.C. Sherriff
- Topic 6: War Poetry Anthology
- Topic 7: Unseen War Prose

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in developing and articulating personal and creative responses to literary texts, using relevant concepts and terminology
- The ability to craft analytical responses around how meaning is shaped through language, form and structure
- Exploration and evaluation of the significance and influence of the contexts in which literary texts are written and received
- Evaluation and investigation of connections across and between literary texts studied
- Debating and discussion of different interpretations of texts studied.

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## Assessment

There are two external exams sat in May/June at the end of Year 13, as well as a range of both in-class and formal mock exams across the two year course.

The external exams are:

- Paper 1: Love Through the Ages (40%)
- Paper 2: Literature in Context – World War One (40%)
- NEA : one x independent coursework piece, focused on an independent study and comparative study of two texts (20%)

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## Educational trips, visits and wider experiences

We commit to organising visits for all students to Warwick University where students will gain an insight into life as a Literature graduate, meeting university students and lecturers and experiencing live lectures, directly linked to A-Level study. Students are provided with opportunities to develop their own leadership experience within English, either as Student Ambassador, part of the wider teaching and learning school council or through supporting members of the student body, lower down the school. We also aim to provide pupils with the opportunity to attend at least one theatre performance across the academic course and annually partake in the 'English in Action' conference, hosted in both London and at the University of Warwick, during which pupils gain valuable insights into both the literary world and the exam experience. There are also live poetry/novelist readings, as well as the opportunities for pupils to engage with and ask questions to contemporary writers. Additionally, we provide pupils with the opportunities to develop their own dedicated reading and research time around their subject, utilizing tools such as 'Massolit' and providing pupils with the opportunity to watch and experience "live" theatre through "National Theatre Live". We also encourage and provide students with a wider reading list and their own personal library to encourage pupils to foster a pleasure and love for reading.

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## What type of students will do well on this course?

Students who will do well on this course are those who have a love and a passion for English. Students need to be prepared to read, think and speak critically and discuss critical theory and ideas amongst their peers. Students need to be driven and motivated.

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## For more information contact:

Mrs Jardine – Subject Leader for English  
ljardine@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Birmingham English Literature	AAB	English Literature and Film English Literature with Shakespeare
University of Cambridge English	A*AA	Anglo Saxon, Norse and Celtic Linguistics
University of Oxford English Language and Literature	AAA at A-Level – to include English Language and / or Literature	English and Modern Languages
University of Sheffield English Literature	AAB at A-Level	English Language and Literature English and History
University of Warwick English Literature	AAA at A-Level	English Literature and Creative Writing Classics and English English and History
University of Nottingham English Language and Literature	AAA at A-Level	English American Studies and English English and Philosophy

Career Opportunities

Publisher

What would I do?

- Overseeing the content, layout and style of your publication, whether it be a book, newspaper, journal or website. This involves overseeing junior or section editors who are in charge of one section of the publication, such as the sports editor. Often, you'll also oversee sub-editors, who check texts for written accuracy, spelling and consistency of style.
- Making sure the production process runs smoothly, and that publications are printed (or published online) on time.
- Recruiting staff.
- Communicating with the advertising and production departments.
- Commissioning work from writers and photographers.

Salary: Starting: £32,000  
UK average: £35,554  
Routes in: Bachelor's degree in English Literature / Language, Media or Journalism

Newspaper Journalist

What would I do?

- Investigating a story as soon as it breaks
- Following up potential leads and developing new contacts
- Interviewing people face-to-face and over the phone
- Attending press conferences
- Recording meetings and interviews using recording equipment or shorthand
- Coming up with ideas for stories and features
- Writing up articles in a style that will appeal to the reader
- Sub-editing other reporters' articles for publication
- Writing up articles for online publication

Salary: Starting: £18,000  
UK average: £26,000  
Routes in: Bachelor's degree in English Literature / Language, Media or Journalism

Primary School Teacher

What would I do?

- Planning lessons and preparing teaching materials
- Marking and assessing children's work
- Providing a safe and healthy environment
- Keeping records
- Discussing children's progress with parents and carers
- Working with other professionals like education psychologists and social workers
- Attending meetings and training
- Organising outings, social activities and sports events

Salary: Starting: £24,000  
UK average: £34,000  
Routes in: Bachelor's degree in English Literature / Language, Media or Journalism





# French

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level French you need:  
5 Grade 5 GCSEs including English Language

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## Topics covered

### Year 12 topics

- Topic 1: The changing nature of family
- Topic 2: The 'cyber-society'
- Topic 3: The place of voluntary work
- Topic 4: Positive features of a diverse society
- Topic 5: Life of the marginalized
- Topic 6: How criminals are treated

### Year 13 topics

- Topic 7: A culture proud of its heritage
- Topic 8: Contemporary francophone music
- Topic 9: Cinema — The 7th Art form
- Topic 10: Teenagers — the right to vote and political commitment
- Topic 11: Demonstrations, strikes — who holds the power?
- Topic 12: Politics and immigration

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## Skills you will develop on the course

- Throughout this course you will have the opportunity to develop the following skills:
- Gaining a more in-depth understanding and knowledge of the culture of countries where French is spoken
- Confidence in communicating and articulating your opinions
- Debating controversial topics
- Reading and analysing French novels and films

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## Assessment

There are three external exams sat in May/June at the end of year 13.

The external exams are:

- Paper 1: Listening, Reading and Writing— 2 hours 30 minutes (50%)
- Paper 2: Writing - 2 hours (20%)
- Paper 3: Speaking — 21 to 23 minutes (30%)

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## Educational trips, visits and wider experiences

We commit to organising visits for all students to Warwick or Coventry University where students will gain an insight into life as a French graduate, meeting university students and lecturers as well as attending University sessions.

Students can apply to become a French Student Ambassador, where they can gain leadership skills and be involved with the organising and delivery of French clubs across all age ranges at Stoke Park School.

A-Level students also have the opportunity to support in KS3 lessons, where they will assist students with their learning of the language.

Finally we have 1:1 support on offer from French students at the University of Warwick to support with French speaking.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about French, resilient and inquisitive. You should have a thirst for discovering new cultures, France is not just mainland France but all its Domains. A drive to wanting to learn new cultures and experience differing ways of life is particularly important as we aim to submerge you in French life and culture.

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## For more information contact:

Mrs Parsons-Moore. Head of MFL

jparsons-moore@stokepark.coventry.sch.uk

Miss C Hot. Second in MFL

chot@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
<b>Coventry University</b> Languages for Global Communication BA (Hons)	A-Level - BBC GCSE - Minimum 5 GCSEs grades 9-4 including English	
<b>Warwick University</b> French and History Degree	A-Level — AAB (A History / B in French) GCSE - Minimum 5 GCSEs grades 9-4 including English	
<b>Warwick University</b> French and Economics	A-Level - AAB Grade 7 in GCSE Maths and Grade 6 in GCSE English Language	

Career Opportunities

Career Opportunities Employers value the language skills of cultural sensitivity and awareness.

Business and Financial Project Manager

What would I do?

- Help organisations turn ideas into products and services
- Set strategic objectives
- Plan and supervise projects
- Ensure that projects are delivered within budget and on time

Salary: Starting: £29,000

UK average: £49,000

Routes in: Bachelor’s degree in French and Economics

Interpreter

What would I do?

As an interpreter, you will need to listen to, understand and memorise content in the original source language and then reproduce it in the target language.  
Salary: Starting: The majority of roles are freelance, and hourly rates can vary widely depending on your experience and qualifications, type of interpreting,

Salary: Starting: The majority of roles are freelance, and hourly rates can vary widely depending on your experience and qualifications, type of interpreting location and level of demand for the languages. The highest paid jobs tend to be based outside the UK.

Routes in: BA in an MFL  
MA in Translation and Cultures

Political Risk Analyst

What would I do?

Examine issues such as economic conditions, crime levels, threat of conflict, government stability and governance, trade and regulations, or humanitarian and human rights issues.

Salary: Starting: salaries for Junior Analysts and Consultants are between £25,000 and £32,000. As a team or division leader, you could earn £52,000 to £80,000.

Routes in: BA French Studies A qualification and fluency in a foreign language is also highly sought after and can be a requirement for some roles. Being able to speak one or more languages will also positively impact your earnings potential.





# Geography

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Geography you need:  
5 Grade 5 GCSEs including Geography

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## Topics covered

### Year 12 topics

- Topic 1: Changing Places
- Topic 2: Coasts
- Topic 3: Hazards

### Year 13 topics

- Topic 4: Water and Carbon Cycles
- Topic 5: Contemporary Urban Environments
- Topic 6: Global Systems and Governance

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in carrying out and evaluating fieldwork
- Debating controversial topics
- Critiquing of Geographical articles
- Understanding of contemporary living issues

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## Assessment

There are two external exams sat in May/June at the end of year 13 and 1 piece of NEA Coursework to complete  
The assessments are:

- Paper 1: Physical Geography (40%)
- Paper 2: Human Geography (40%)
- NEA: (20%)

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## Educational trips, visits and wider experiences

As part of the study of Geography at A Level there is a mandatory four days of fieldwork to be completed. This can be done all at once, or spread out over several different events. Exact location would be decided once student numbers are established but have previously been at Dol-Y-Moch. We commit to organising online and in person events for all students with Warwick University, looking at key themes relevant to the course and providing an opportunity to discuss further University study.

Students can apply to become an Environment Ambassador, where they can gain leadership skills and be involved with the organising and delivery of Eco clubs across all age ranges at Stoke Park School. There is an opportunity to apply for the Royal Town Planning Institute Placement over the summer between Year 12 and 13. All students will also be given the opportunity to do their own research projects in Geography as part of the specification.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Geography, have a deep interest in the linkage between human and physical geography as well as contemporary issues and modern geopolitics. We look for independent workers, who are ambitious and care about the future of the planet.

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## For more information contact:

Mr Weston – Head of Geography  
dweston@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of York Environmental Geography BSc (Hons)	AAB including Geography or Geology plus a second science	Environmental Geography with placement year BSc (Hons) Environment, Economy and Ecology BSc (Hons) Human Geography and the Environment BA (Hons)
Coventry University Geography BSc (Hons)	BBC	Geography and Environmental Hazards BSc (Hons)
Oxford University Geography BSc (Hons)	A*AA (including Geography plus a second Science)	Environmental Science BSc(Hons)
Nottingham Trent University Climate Change BSc (Hons)	112 UCAS Tariff points from three A-levels or equivalent qualifications	Environmental Science BSc (Hons) Geography BSc (Hons)
Aberystwyth University Human Geography with Integrated Year in Industry	BBB-CCC	Environmental Earth Science BSc (Hons) Geography (with year studying abroad) BSc (Hons)
University of Reading Sustainable Finance BSc	ABB including B at A level or AS level Maths	Geography and Economics BSc (Hons) Geography and Economics with Professional Experience BSc (Hons)

Career Opportunities

Sustainable Fund Manager

What would I do?

- Fund Managers are responsible for not only managing the investment but also for providing their clients, whether individual or institutional the necessary advice. These professionals are responsible to follow the market trends and track the market returns to give good returns to their clients. Besides they keep on changing their capital structure for a balanced investment decision. But all these functions cannot be performed without proper knowledge and necessary qualification to understand the ever-changing volatile market condition.
- Increasing participation of the general public in the mutual funds has given an impetus to this profession in the recent past.
- Like other conventional professions a career as a Fund Manager is also providing a lot of opportunities to show their talent and earn respect and money by the younger generation.
- To be a successful Fund Manager the aspiring candidate has to be dedicated and hardworking. The job of a Fund Manager requires an intensive knowledge of the various aspects of the share market along with foresight to predict to some extent the direction of flow of the market. To discharge his duties in an effective manner he requires special training comprehensive knowledge in more than one area of the trade.

Salary: Starting: £40,000

UK average: £100,000

Routes in: Sustainable fund management degree

Town Planner

What would I do?

- As a town planner or planner, you’ll be involved in the management and development of cities, towns, villages and the countryside. Your aim will be to balance the conflicting demands of housing, industrial development, agriculture, recreation, transport and the environment, in order to allow appropriate development to take place.
- Regeneration within towns and cities forms an important part of planning and part of your role will be to take into account the often competing views of local businesses and communities.
- If you work within a rural area, you’ll need to ensure that development is sustainable and that the right balance of development is achieved to preserve the countryside. You’ll also aim to make a positive contribution towards tackling the effects of climate change.

Salary: Starting: £18,000

UK average: £45,000 - £65,000

Routes in: You can get into town planning with a degree in any subject but specific degrees in planning are available. To become a chartered town planner you will need to complete a RTPI accredited degree, either at undergraduate or postgraduate level, completing either a combined qualification or a spatial qualification and a specialist qualification.

Climatologist

What would I do?

- Climatologists focus on understanding the typical weather conditions of a geographic area by studying and observing climate changes.
- Additionally, they may assist architects with planning for structures that withstand certain climates, or assist factories in establishing environmentally friendly practices
- Define climates of specific geographical areas by monitoring weather patterns over a 30-year period of time
- Monitor present-day weather to observe changes in climates
- Educate the public on the types of activities that encourage climate changes
- Assist architects with building plans to help create structures that can withstand specific climates
- Assist factories and other businesses by teaching them environmentally friendly practices for operations and disposal

Salary: Starting: £21,000

UK average: £45,000 - £50,000

Routes in: Bachelor’s degree in Environmental Science, Climate Change, Physical Geography





# Health & Social Care

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

Grade 6 in GCSE Mathematics

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## Topics covered

### Year 12 topics

Human Growth and Development  
Working in Health and Social Care  
Anatomy and Physiology  
Work Experience  
Health and Safety  
Complementary Therapies  
Caring for People with Dementia

### Year 13 topics

Enquires into current research  
Meeting the individual needs  
Physiological Disorders and their care  
Public Health  
Health Psychology  
Infection, Prevention and Control

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Problem-solving
- Quantitative Reasoning
- Analysing and Interpreting data
- Critical Thinking
- Time Management

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## Assessment

4 units externally assessed through exams, and 9 Units assessed through internal coursework.

- Unit 1 Human Growth and Development
- Unit 2 Working in HSC
- Unit 3 Anatomy and Physiology
- Unit 4 Enquiries into current research

Students will also sit unit tests at the end of each topic, and Year 12 Synoptic assessments which will help determine their predicted grades for University.

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## Educational trips, visits and wider experiences

- Occupational Webinars
- Special School Games
- Summer School
- Health School

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## What type of students will do well on this course?

You will need to be passionate about understanding and caring for others, and have an ambition for a career in the Health sector.

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## For more information contact:

Ms Miller - Teacher of Health & Social Care  
millers@pks.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Liverpool, Nursing BN (Hons)	BTEC: DDD (all distinctions)	Adult Nursing BSc, Child Nursing BSc, Learning Disabilities Nursing BSc, Mental Health Nursing BSc.
Keele University, Public Health	DMM	Health Promotion and Public Health (BSc), Public Health and Wellbeing (BA) Public Health and Community studies (BA)
University of Coventry, Biomedical Science BSc	DDM	Medical Biochemistry (BSc) Biochemistry (BSc) Food and Nutrition Science (BSc) Healthcare Science (BSc)

Career Opportunities

Adult Nurse

What would I do?

- Take temperatures, blood pressures and pulse rates
- Give drugs and injections, treat wounds and set up drips
- Monitor the progress of patients and up-date records
- Handover information to colleagues at the end of a shift
- Work with doctors and other healthcare professionals to decide what care to give
- Give advice to patients and their relatives

Salary: Starting: £27,055

UK average: £40,588

Routes in: Relevant Bachelor’s degree

Health Promotion Specialist

What would I do?

- Promote healthy eating and regular exercise
- Advise of the dangers of smoking or excessive drinking
- Give information about the risk of coronary heart disease and cancers
- Raise awareness of mental health, sexual health and drug misuse

Salary: Starting: £21,000

UK average: £40,000

Routes in: Relevant Bachelor’s degree or an apprenticeship

Biomedical Scientist

What would I do?

- Test for diseases like Legionnaires’ disease and food poisoning
- Test for infectious diseases like rubella or hepatitis
- Analyse blood samples and monitor organ function
- Support the blood transfusion and transplant service through blood grouping and matching
- Test for blood abnormalities and diseases, like anaemia and leukaemia
- Process and analyse tissue samples from operations and autopsies
- Use specialist procedures like cell culture to detect cancer
- Routinely test fluid and tissue samples like cervical smear tests
- Update paperwork or computer records with data and test results

Salary: Starting: £25,655

UK average: £45,839

Routes in: Relevant Bachelor’s degree





# History

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level History you need:

A grade 5 in History and four other grade 5s including English Language.

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## Topics covered

### Year 12 AS topics

- In search of the American Dream: the USA, c1917–96
- South Africa, 1948–94: from apartheid state to 'rainbow nation'

### Year 13 A2 topics

- NEA
- Rebellion and disorder under the Tudors, 1485–1603

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Forming nuanced and detailed arguments
- Debating key historical topics
- Analysing and evaluating the views of others as well as your own
- Debating key historical issues

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## Assessment

There are three external exams sat in May/June at the end of year 13 and a 3000 – 4000 word essay on a topic of your choice.

The external exams are:

- Paper 1: In search of the American Dream: the USA, c.1917-1996 (30%)
- Paper 2: South Africa, 1948-94: from apartheid state to 'rainbow nation' (20%)
- Paper 3: Rebellion and disorder under the Tudors, 1485 - 1603 (30%)
- NEA: A historiographical essay debating a topic and time era of your choice (20%)

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## Educational trips, visits and wider experiences

The History department commits to enhancing your development as an historian both inside the classroom and out. We will be hosting trips to museums and historical sites that are relevant to places of study and also have a trip planned to Washington where students can experience a different country's history firsthand. Students will also experience super curricular experiences with their peers linked to the top universities in the country and the world including the Universities of King's College London, Warwick and Cambridge, just to name a few. Opportunities will be provided to attend lectures and conferences about topics of your choice and you will have access to local undergraduate libraries to further enhance your research skills, ensuring that you are ready for your Post 18 pathway.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about History, enjoy reading and writing and want to have a greater sense of your place in the world. You should also ensure that you are willing to further hone your organisational and debating skills and be willing to respond to feedback.

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## For more information contact:

Mrs Bennett – Head of History  
bbennett@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Cambridge Bachelor of Arts BA (Hons)	A*AA including A Level History	Archeology Ancient Civilisations
Durham University Bachelor of Arts BA (Hons)	A*AA including A Level History	American and Canadian Studies (Study Abroad) Ancient and Medieval History with a Year Abroad
King’s College, University of London Bachelor of Arts BA	AAA including A Level History	Classical Studies Comparative Literature and Film Studies European Studies (Hons)
University of Leicester Bachelor of Arts BA	ABB including A Level History	American Studies
University of Nottingham Bachelor of Arts BA	AAB including A Level History	Ancient History with a Year Abroad Geo-politics

Career Opportunities

Historian

What would I do?

- Present historical accounts in terms of individuals or social, ethnic, political, economic, or geographic groupings.
- Teach and conduct research in colleges, universities, museums, and other research agencies and schools.
- Interview people to gather information about historical events and to record oral histories.
- Organize information for publication and for other means of dissemination, such as use in CD-ROMs or Internet sites.
- Trace historical development in a particular field, such as social, cultural, political, or diplomatic history.
- Conduct historical research, and publish or present findings and theories.
- Research and prepare manuscripts in support of public programming and the development of exhibits at historic sites, museums, libraries, and archives.
- Conserve and preserve manuscripts, records, and other artifacts.
- Collect detailed information on individuals for use in biographies.
- Organize data, and analyze and interpret its authenticity and relative significance.

Salary: Starting: £27,000  
UK average: £32,000 to £40,000  
Routes in: Bachelor’s degree in History, Masters or PhD in History

Journalist

What would I do?

- investigating a story as soon as it breaks
- following up potential leads and developing new contacts
- interviewing people face-to-face and over the phone
- attending press conferences
- recording meetings and interviews using recording equipment or shorthand
- coming up with ideas for stories and features
- writing up articles in a style that will appeal to the reader
- sub-editing other reporters’ articles for publication
- writing up articles for online publication

Salary: Starting: £35,500  
UK average: £40,000  
Routes in: Bachelor’s degree in History

Costume Designer

What would I do?

- discussing ideas with the production designer, director, and make-up, set and lighting designers
  - creating costume ideas to fit the production’s design concept and budget
  - researching suitable costume styles, fabrics and designs
  - sketching costume designs
  - giving instructions to costume makers
- On smaller productions, you might also carry out some of the practical tasks, like:
- managing the wardrobe budget
  - buying or hiring outfits
  - fitting, altering and adapting costumes
  - cleaning, ironing and mending
  - making sure wardrobe items are available at the right time
  - keeping the look of the costumes the same between shoots or scenes

Salary: Starting: £25,000  
UK average: £28,500 - £34,000.  
Routes in: Bachelor’s degree in History





# Information Technology

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

Entry requirements for this BTEC Level 3 qualification are 5 grade 4's at GCSE including English and Maths

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## Topics covered

### Core Content

Unit 1 - Information Technology Systems

Unit 2 - Creating Systems to Manage Information

Unit 3 - Using Social Media in Business

Unit 4 - Website Development

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## Skills you will develop on the course

Students will develop a wide variety of skills including but not limited to:

- Research
  - Presentation and Communication
  - Team Working
  - Critical Thinking
  - Data Analysis
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## Assessment

The course is assessed through a variety of methods including coursework, controlled assessments and exams.

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## Educational trips, visits and wider experiences

The course offers an in-depth introduction to the IT world. It is designed for students who are interested in an introduction to the study of creating IT systems to manage and share information alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in IT. It supports progression to higher education, including University and degree apprenticeships, so an interest in studying these subjects Post 18 is ideal.

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## What type of students will do well on this course?

The course offers an in-depth introduction to the IT world. It is designed for students who are interested in an introduction to the study of creating IT systems to manage and share information alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in IT. It supports progression to higher education, including University and degree apprenticeships, so an interest in studying these subjects Post 18 is ideal.

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## For more information contact:

M Matharu - matharu@pks.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
<b>University of Warwick</b> Computer Science BSc (Hons)	152 UCAS points	Artificial Intelligence Cyber Security Computer Science with Mathematics
<b>Aston University</b> Cyber Security BSc (Hons)	DDD	Forensic Analyst Threat Analyst
<b>University of Westminster</b> Computer Games Development with Placement Year — BSc(Hons)	DDM	Object-orientated Design Programming Development
<b>Oxford Brookes University</b> Information Technology for Business BSc (Hons)	DDD	Business and Finance Education and IT Information Technology Management
<b>Coventry University</b> Ethical Hacking (with a Year in Industry) BSc (Hons)	DDM	Animation Software Artificial Intelligence Software Development

Career Opportunities

Software Developer

What would I do?

- Producing clean, efficient code based on specifications
- Testing and deploying programs and systems
- Fixing and improving existing software
- Work with developers to design algorithms and flowcharts
- Produce clean, efficient code based on specifications
- Integrate software components and third-party programs
- Verify and deploy programs and systems
- Troubleshoot, debug and upgrade existing software
- Gather and evaluate user feedback
- Recommend and execute improvements
- Create technical documentation for reference and reporting

Salary: Starting: £39,943

Routes in: With experience, you could progress to Senior Development Manager, and executive level positions.

Forensic Computer Analyst

What would I do?

- Secure a system or device so it can’t be tampered with
- Use a range of forensic tools and software to extract and analyse data
- Recover damaged, deleted or access hidden, protected or encrypted files
- Unlock digital images that are locked to hide the identity of a place or person
- Examine data from mobile phones and satellite navigation systems to trace people or places
- Collect information and evidence in a legally admissible way
- Write technical reports based on your findings and, if required, give evidence in court as an expert witness
- Present findings of on-going incidents to other members in the investigation team, law enforcement agencies and clients
- Keep up to date with evolving cybercrime methods and developments within the digital forensics field
- Undergo security checks and vetting procedures
- Work to relevant ISO accreditations.

Salary: Starting: £40,000

Routes in: With experience, you could progress to a Senior Analyst role and Head of Security.

IT Consultant

What would I do?

- Work with clients to determine requirements and define the scope of a project
- Plan timescales and the resources needed
- Clarify a client’s system specifications, understand their work practices and the nature of their business
- Travel to customer sites
- Liaise with staff at all levels of a client organisation
- Define software, hardware and network requirements
- Analyse IT requirements within companies and give independent and objective advice on the use of IT
- Develop agreed solutions and implement new systems
- Present solutions in written or oral reports
- Help clients with change-management activities
- Purchase systems where appropriate
- Design, test, install and monitor new systems
- Prepare documentation and present progress reports to customers
- Organise training for users and other consultants
- Be involved in sales and support, and where appropriate, maintain contact with client organisations

Salary: Starting: £82,299

Routes in:You could also work as an IT Consultant Contractor.





# Maths

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Maths you need:

Five GCSEs grade 5 and above and a high grade 6 in GCSE Maths

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## Topics covered

### Year 12 AS topics

- Algebra and functions, including mathematical proof
- Coordinate geometry in the (x,y) plane
- Trigonometric ratios, identities and equations
- Binomial expansion
- Vectors (2D)
- Differentiation & Integration
- Data collection
- Measures of location and spread
- Representation of data
- Correlation
- Probability
- Statistical distributions

- Hypothesis testing
- Modelling in mechanics
- Constant and variable acceleration
- Forces and motion

### Year 13 A2 topics

- Algebraic methods
- Functions and graphs
- Sequences and series
- Binomial expansion
- Parametric equations
- Numerical methods
- Vectors (3D)
- Differentiation & Integration

- Regression, correlation & Hypothesis testing
- Conditional probability
- Normal distribution
- Radians, trigonometric functions, identities and equations
- Forces and friction
- Projectiles
- Further kinematics

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in mathematical problem solving
- Improved analytical thinking
- Good research skills
- Logical thinking

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## Assessment

There are three external exams sat in June at the end of year 13.

The external exams are:

- Paper 1: Pure Mathematics 1 (33.33%)
- Paper 2: Pure Mathematics 2 (33.33%)
- Paper 3: Statistics & Mechanics (33.33%)

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## Educational trips, visits and wider experiences

We commit to organising visits for all students to Russell Group Universities and there are multiple opportunities to visit the University of Warwick where our students get to experience what being an undergraduate of Maths is really like. All Maths students will also take part in the UKMT Maths Challenge, a nationally and internationally renowned competition. Students will also be encouraged to engage in super curricular pursuits to enhance their knowledge and experience of STEM subjects.

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## What type of students will do well on this course?

You will do well on this course if you have a desire to extend your mathematical thinking and really enjoy the subject.

The course builds strongly upon GCSE Maths, particularly the aspect of algebra, so you must be confident in these skills.

You must also be prepared to think! You will have to solve problems by drawing on a number of mathematical topics and be prepared to persevere with some lengthy solutions, seeking support if necessary.

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## For more information contact:

Mrs Woodward - Leader of Maths - KS5 & High Attainers  
staffjwd@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Cambridge Mathematics BA (Hons)	A* A* A to include A Level Maths and Further Maths	Mathematics MMath
University of Warwick Mathematics BSc (Hons)	A* A* A to include A Level Maths and Further Maths	Mathematics and Physics BSc (Hons); Mathematics Operational Research, Statistics and Economics (MORSE) MMorse
University of Bristol Economics and Mathematics BSc (Hons)	AAA or A* A* A to include A* in A Level Maths	Mathematics and Computer Science BSc (Hons)
University of Manchester Actuarial Science and Mathematics BSc (Hons)	A* AA to include A* in A Level Maths	Computer Science and Mathematics with Industrial Experience BSc (Hons)
University of Exeter Mathematics BSc (Hons)	AAB to AAA to include A in A Level Maths	Mathematics with a year in industry

Career Opportunities

Software Developer

What would I do?

You could work on a wide variety of projects, from financial databases to robotics to apps for phones and tablets. You may use a number of programming languages or project management tools.

Your day-to-day tasks may include:

- talking through requirements with the client and the development team
- taking part in technical design and progress meetings
- writing or amending computer code
- testing software and fixing problems
- keeping accurate records of the development process, changes and results
- carrying out trials and quality checks before release
- maintaining and supporting systems once they’re up and running

As an experienced developer, you may supervise a programming team and provide feedback on coding work.

Salary: Starting: £41,000  
UK average: £44,000 to £51,000  
Routes in: Bachelor’s degree in Maths, Software Development

Investment Banker

What would I do?

You’ll serve as a link between companies and investors. When a company wants to expand or begin a big project, they need capital to do it. Investment bankers help them to raise that capital by issuing stock or borrowing from investors.

Your day-to-day duties might include:

- advising on the sale or disposal of the shares or assets of a business
- meeting with clients
- preparing offers
- analysis (e.g. estimating the market value of a company or running financial projections)
- creating presentations (e.g. pitchbooks to attract new clients)
- providing strategic advice
- acting as a go-between on mergers (when two companies join together) and acquisitions (when one company buys another)

Salary: Starting: £53,472  
UK average: £59,557  
Routes in: Bachelor’s degree in Maths, Economics

Data Analyst

What would I do?

Your work as a data analyst could be used in a number of areas, like:

- local and national government
- market research (public sector or government)
- business, finance and insurance
- NHS management
- crime analysis and forensics
- education

In the public sector, you’ll work for government agencies, research councils and universities. Working for the government could involve collecting, analysing and publishing information on population trends, the economy, the labour market, transport or crime. The information you produce would then be used to advise ministers, and inform the press and the wider population.

In other industries or sectors, you might be involved in:

- looking for trends and patterns to help companies make business decisions
- analysing market research and trends in consumer feedback
- opinion poll analysis
- predicting demand for services or goods
- checking quality control standards in areas like drug and food testing

Salary: Starting: £43, 916  
UK average: £53,625  
Routes in: Bachelor’s degree in Maths





# Further Mathematics

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

Grade 6 in GCSE Mathematics

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## Topics covered

### CORE PURE MATHS

- Proof
- Complex Numbers
- Matrices
- Further Algebra and Functions
- Further Calculus
- Further Vectors
- Polar Coordinates
- Hyperbolic Functions
- Differential Equations

### FURTHER MECHANICS

- Momentum and Impulse
- Work, Energy and Power
- Elastic Strings and Springs and Elastic Energy
- Elastic Collisions in 1 Dimension
- Elastic Collisions in 2 Dimension

### DECISION MATHEMATICS

- Algorithms and Graph Theory
  - Algorithms on Graphs
  - Algorithms on Graphs II
  - Critical Path Analysis
  - Linear Programming
- 

## Skills you will develop on the course

- Problem-solving
  - Critical Thinking
  - Quantitative Reasoning
  - Analysing and Interpreting data
- 

## Assessment

Students will sit 4 exam papers at the end of year 13 which will count for 100% of their overall mark.

Paper 1: Core Pure Maths, 75 marks, 90 minutes.

Paper 2: Core Pure Maths, 75 marks, 90 minutes.

Paper 3: Further Mechanics, 75 marks, 90 minutes.

Paper 4: Decision Mathematics, 75 marks, 90 minutes.

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## Educational trips, visits and wider experiences

- We will organise trips to universities, such as the University of Warwick, where students have the opportunity to attend Maths workshops and visit the Maths department.
  - Students have the chance to enter national Mathematics competitions such as the Senior Maths Challenge and Maths Olympiad for Girls.
  - Students have the chance to enroll in regular problem-solving classes at the University of Warwick which will help prepare them for competitive university entrance test, such as STEP, TMUA, or the MAT.
- 

## What type of students will do well on this course?

Students who love Mathematics and are really excited about having 10 hours of Maths and Further Maths lessons a week. You must love getting stuck into difficult problems, and be determined to find solutions.

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## For more information contact:

Ms Doherty - Head of Maths  
doherty@pks.coventry.sch.uk

Mr Hodson - Post Holder KS5 Maths  
hodson@pks.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Bath Mathematics BSC (Hons)	A* AA including A* A in Mathematics and Further Mathematics	Other similar courses offered: Mathematics Maths Mathematics and Statistics BSc, Data Science BSc
University of Cambridge, Kings College Computer Science Meng	A*A*A including Mathematics and Further Mathematics, and T MUA admissions assessment	Engineering MEng Mathematics MMath Natural Science MSci
University of Warwick, Mathematics, Operational Research, Statistics, Economics (MORSE), BSc	A*A*A to include A* A* in Mathematics and Further Mathematics	Data Science BSc Mathematics and Statistics BSc Discrete Mathematics BSc

Career Opportunities

Actuary

What would I do?

- Use mathematical modelling techniques and statistical concepts to determine probability and assess risks, for example, analysing pension scheme liabilities to price commercial insurance
- Analyse statistical data in order to make calculations, for example, accident rates for particular groups of people
- Be an effective communicator, to discuss and explain complex topics in a simple way
- Present reports, explaining their implications to managers and directors and advising on risk limitation

Salary: Starting: £30,000  
UK average: £55,000  
Routes in: Relevant Bachelor’s degree

Research Scientist Maths

What would I do?

- Use specialist mathematical software such as Mathematica, MAT LAB or Mathcad or programming languages such as C/C++ to develop programs to perform mathematical functions
- Produce original mathematics research
- Identify solutions by learning and applying new methods, for example designing mathematical models that interpret data in a meaningful way
- Attend, and sometimes present at, national and international scientific conferences and meetings in your particular field of interest

Salary: Starting: £15,000  
UK average: £35,000  
Routes in: Relevant Bachelor’s degree and PhD

Operational Researcher

What would I do?

- Collect and analyse data and develop models, often using spreadsheets, databases and pragmatic, numerical approaches to solve problems
- Use analytical methods, such as simulation, network analysis, decision analysis, multi-criteria analysis, scenario analysis, soft-systems modelling, optimisation, game theory and queuing theory
- Compile a report of findings and make presentations to clients, often requiring clear and persuasive explanation of complex processes to a non-technical audience, in order to help them make decisions

Salary: Starting: £24,000  
UK average: £50,000  
Routes in: Bachelor’s degree and PhD





# Media Studies

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Media Studies you need:

Five grade 5s including GCSE English Language. GCSE Media Studies is a bonus but not essential.

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## Topics covered

### Year 12 AS topics

- Analysing Media Language and Representation in advertising, marketing, newspapers and/or music videos
- Understanding Media Industries and Audiences including advertising, marketing, film, radio, newspaper and video games within their media contexts

### Year 13 A2 topics

- Television in the Global Age
- Magazines, Mainstream and Alternative Media
- Media in the Online Age

---

## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Interpret and analyse texts
- Utilise your creativity through your production work
- Debate meanings using a theoretical framework
- Evaluate how the media influences and is shaped by the world around us

---

## Assessment

There are three external exams sat in May/June at the end of year 13 and a 3000 – 4000 word essay on a topic of your choice.

The external exams are:

- Paper 1: Media topics, Industries and Audiences (35%)
- Paper 2: Media Forms and Products in Depth (35%)
- NEA: Cross Media Production choice (30%)

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## Educational trips, visits and wider experiences

The Media Studies department feels passionately about enhancing students' knowledge about the world around them. Through industry days, university visits and links with the BBC, BBfC and BFI, students have a range of opportunities to learn about the different industries but also experience them first-hand. Our super curricular provision also ensures that students can complete short courses on different areas of interest.

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## What type of students will do well on this course?

To do well on this course you need to be interested in the world around you and have an interest in what influences our society. You should be interested in a range of media and be up-to-date with current events and industries. You should also be well organised and enjoy analysing texts and their appeal to their audiences over time.

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## For more information contact:

Mr Gaiser– Head of Media Studies  
sgaiser@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Brighton Bachelor of Arts BA (Hons)	BBB – BBC including A Level Media Studies	2D Animation Film Studies
University of Portsmouth Bachelor of Arts BA (Hons)	ABB including A Level Media Studies	Journalism Film Studies and Media
University of Leeds Bachelor of Arts BA	AAB - ABB including A Level Media Studies	Cultural and Media Studies with a Year in the Industry
University of Kent Bachelor of Arts BA	BBB including A Level Media Studies	Film and Media Studies Film Studies with a Year in the Industry
University of Aberystwyth Bachelor of Arts BA	BBB - BBC including A Level History	Media and Communication Studies

Career Opportunities

Broadcast Journalist

What would I do?

- Liaises with production staff in checking final proof copies immediately prior to printing.
- Selects material for broadcast or publication, checks style, grammar, accuracy and legality of content and arranges for any necessary revisions.
- Writes articles and features and submits draft manuscripts to newspaper, magazine, periodical or programme editor.
- Determines subject matter and undertakes research by interviewing, attending public events, seeking out records, reviewing written work, attending film and stage performances etc.

Salary: Starting: £18,000

UK average: £37,000 to £67,000

Routes in: Bachelor’s degree in Media Studies, Masters or PhD in Media and Communications

Producer/Director

What would I do?

- Selects, contracts, markets and arranges for the presentation and/or distribution of performance, visual and heritage arts.
- Manages health and safety issues.
- Ensures necessary equipment, props, performers and technical staff are on set when required.
- Prepares rehearsal and production schedule for main events, design of sets and costumes, technical rehearsals and dress rehearsals.
- Breaks script into scenes and formulates a shooting schedule that will be most economical in terms of time, location and sets.
- Directs actors, designers, camera team, sound crew and other production and technical staff to achieve desired effects.
- Chooses writers, scripts, technical staff and performers, and assumes overall responsibility for completion of project on time and within budget.

Salary: Starting: £17,000

UK average: £36,000 to £75,000

Routes in: Bachelor’s degree in Media Studies/Theatre Studies, Masters or PhD in Media and Theatre

Photographer/Digital Photographer

What would I do?

- Operates sound mixing and dubbing equipment to obtain desired mix, level and balance of sound.
- Manages health and safety issues.
- Operates equipment to record, edit and play back films and television programmes.
- Checks operation and positioning of projectors, vision and sound recording equipment, and mixing and dubbing equipment.
- Controls transmission, broadcasting and satellite systems for television and radio programmes, identifies and solves related technical problems.
- Takes, records and manipulates digital images and digital video footage.
- Photographs subject or follows action by moving camera.
- Operates scanning equipment to transfer image to computer and manipulates image to achieve the desired effect.
- Inserts lenses and adjusts aperture and speed settings as necessary.
- Arranges subject, lighting, camera equipment and any microphones.
- Selects subject and conceives composition of picture or discusses composition with colleagues.

Salary: Starting: : £14,000

UK average: £24,000 to £50,000

Routes in: Bachelor’s degree in Media Studies/Photography/Art, Masters or PhD in Media Studies/Art/Photography





# Music

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take RSL Music you need:

The standard entry requirements for Stoke Park Post 16 GCSE/BTEC or RSL Music at a grade 6 or Merit OR you can demonstrate competency on an instrument or show a high standard portfolio

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## Topics covered

### Year 1 Units

- Unit 349 – Planning a Career in Music
- Unit 362 – Lead Performer OR Unit 370 Studio Sound Recording OR Music Management
- Unit 355 – Leading a Music Making Activity
- Unit 320 – Music Dissertation

### Year 2 Units

- Optional Choice Unit – Chosen by the learner
- Exam Unit – based on your chosen pathway
- Unit 387 – Rehearsal Skills and Live Performance
- Unit 388 – Live Sound Recording and Sound Reinforcement
- Unit 389 – Music Promotion and Event Management

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills depending on your pathway choice:

- Performance Skills – Rehearsal and live performance skills, musicianship, development of repertoire.
- Technology Skills – Sound recording, sequencing and production, mixing and mastering.
- Business Skills – Sound business and financial skills, promotion and marketing, artist management and event management skills.

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## Assessment

70% of units are internally assessed and externally moderated. In year 2 the external exam unit worth 30% is externally marked.

The external exams are: Dependent on pathways

- Unit 387 – Rehearsal Skills and Live Performance
- Unit 388 – Live Sound Recording and Sound Reinforcement
- Unit 389 – Music Promotion and Event Management

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## Educational trips, visits and wider experiences

Students will get regular opportunities to perform in school and out of school in other venues. We have previously had musicians perform at the Empire, Godiva festival, Belgrade Theatre and Warwick Arts Centre. Students get the opportunity to work with music professionals through tuition and masterclasses. We work closely with a number of music organisations and collaborate with music studios and performance venues. We have annual trips to the theatre and often have outings to watch different music performances including orchestras, operas and festivals.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Music and dedicated to improving your performance/technology or music business skills. You should demonstrate commitment and reliability.

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## For more information contact:

Mrs Vincent– Head of Music  
svincent@Stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Liverpool BA (Hons) Music/Popular Music	A Levels ABB BTEC/RSL In Music in Lieu of A Level Music And/Or Grade 8 in an instrument	Music and Technology BA (Hons) Popular Music (Hons) Music BA (Hons)
Royal Birmingham Conservatoire BMus (Hons) Performance	UCAS Tariff - 32 points Admission Test Audition at grade 8+ standard	BMus (Hons) Music Technology BMus (Hons) Composition BMus (Hons) Jazz
BIMM University BMus (Hons) Popular Music Performance	UCAS Tariff - 32 points At least five GCSEs at grade A*-C or 9-4 including English and Mathematics.	BA (Hons) Event Management BA (Hons) Electronic Music Production BA (Hons) Music and Sound Production
University of Surrey BMus (Hons) Creative Music Technology	UCAS Tariff – 120-144 A Levels BBB Portfolio of work	BSC (Hons) Mathematics with Music BMus (Hons) Music BA (Hons) Actor-Musician
Royal Holloway, University of London BA (Hons)Music and Theatre	UCAS Tariff – 128-160 A Levels AAB	BMus (Hons) Music Technology BA (Hons) Performing and Digital Arts BMus (Hons) Music

Career Opportunities

Pop Musician

What would I do?

- practising and rehearsing
- playing live in front of an audience
- composing music
- taking part in recording sessions
- promoting your music by contacting agents and record companies, using social media, sending people demonstration (‘demo’) recordings, setting up a website
- arranging gigs and tours (or dealing with a manager or agent who does this for you)
- you’ll often need to combine music with other types of work, particularly at the start of your career.

UK average: £30,628  
National per gig rate: £139-£186  
Routes in: BMus in Popular Music

Music Therapist

What would I do?

You’ll encourage clients to explore sound and communicate through music, to help them with:

- expressing themselves
- developing insight and creating ways of relating to other people
- becoming aware of their feelings
- interacting with other people more confidently
- bringing about positive changes in their lives

You’ll hold group and one-to-one therapy sessions with clients who have:

- learning disabilities
- emotional, behaviour or mental health problems
- speech and language difficulties
- an injury or illness or are recovering from an addiction

You’ll monitor the effectiveness of the therapy sessions, and write case notes and reports.

If you’re working in the NHS, you’ll work closely with other health care professionals like nurses, physiotherapists, occupational therapists, psychologists and speech and language therapists.

UK average: £34,164  
Hourly rate: £40-£60  
Routes in: BA or BMus in Music and a postgraduate course accredited by BAMT

Music Producer

What would I do?

Music producers help to create recordings and live performances of music. Depending on your specialism, you might:

- create music for films, advertisements, or games (which might include writing, arranging, and mastering)
- work with artists, musicians, and sound engineers in a recording studio, making sure each song achieves the sound they’re striving for
- work on live concerts and festivals, coordinating technical staff and performers to help events run smoothly

Whether you specialise in recordings or live music, you’ll be responsible for the overall quality of the finished product and a large part of your role will be managing other people. This could include:

- creating a schedule or budget and making sure everyone sticks to it
- arranging meetings and recording sessions
- inspiring confidence in musicians and helping to resolve disputes between them
- contributing ideas and feedback at all stages of the process (such as during a song recording)

Increasingly, music producers also take on sound engineering responsibilities, so the role often includes sound design and audio editing.

UK average Salary: £37,361  
Routes in: Degree in Music Production/Technology





# Philosophy and Ethics

At President Kennedy School we deliver an incredibly popular and highly successful course that challenges and develops students to prepare them for the moral and ethical challenges of the modern world. Delivered by experienced teachers and Philosophy graduates students are given an outstanding learning experience. Students who choose Philosophy and Ethics have the unique opportunity to explore a variety of philosophical viewpoints and explore the impact they have had, and continue to have on the world. An excellent, and highly regarded choice for any student who is looking to apply for Law, Medicine, Psychology or Criminology.

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## Entry Requirements

To take A Level Philosophy and Ethics you need:

A grade 5 in English, a GCSE grade 5 in RE is preferable but not always necessary

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## Topics covered

### Year 12 AS Topics

#### Philosophy of Religion

- Ancient Philosophical influences
- The nature of the mind, body and soul
- Argument about the existence/non-existence of God
- The nature and impact of religious experience
- The problem of Evil
- The nature of God
- Issues with religious language

### Year 12 AS Topics

#### Religion and Ethics

- Normative ethical theories
- The application of ethical theories to two contemporary issues of importance
- Ethical Language and thought
- Debates around the significant idea of conscience
- Sexual ethics and the influence on ethical thought of developments in religious beliefs

### Year 13 A2 Topics

#### Development in Religious thought (Christian)

- Religious beliefs, values and teachings, their interconnections and how they vary historically
- Sources of religious wisdom and authority
- Practices which shape and express religious identity
- Significant social and historical development in theology and religious thought
- Key theme related to religion and society.

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in debating and evaluating controversial ethical issues like feminism and euthanasia
- Gaining an understanding of the ethical implications across medicine, politics, identity and many more.
- Critiquing of original philosophical texts

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## Assessment

There are three external exams sat in May/June at the end of year 13 The external exams are:

- Paper 1: Philosophy of Religion (33%)
- Paper 2: Religion and Ethics (33%)
- Paper 3: The Development of Christian Thought (33%)

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## Educational trips, visits and wider experiences

We commit to organising visits both in and outside of President Kennedy School. We have close links with the Charity Echo Eternal and have the privilege of regular visits from a Holocaust survivor Peter Lantos. His ethics as a survivor are a testament to what the human spirit can endure. Post 16 students are given the unique opportunity to discuss his journey to forgiveness and his unique views on evil and suffering. This year, we are also offering students the opportunity to attend a joint trip to Italy with Geography. A real chance to experience and explore Christian culture and heritage and discuss Christian ethics with experts. It is a trip that will develop and enhance any students UCAS form and directly support our curriculum.

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## What type of students will do well on this course?

To do well on this course you need to be passionate about Ethics, debate and interested in exploring the questions not finding the answer. They will need to be curious, dedicated and feel confident to seek support if necessary.

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## For more information contact:

Mrs Starbuck - Leader of RE - Starbuck@pks.coventry.sch.uk

Miss Rejali — Teacher of RE - rejalis@pks.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Birmingham LLB Law	A*AA (BTECs accepted) Philosophy and Ethics is one of the preferred	LLB Law with Criminology LLB Law with Business LLB Law withInternational law and Globalisation
Coventry University International Relations BA Hons	BBC Philosophy and Ethics is one of the preferred A levels	Politics (BA Hons) History (BA Hons)
Oxford University Philosophy and Theology BA	AAA Philosophy and Ethics is one of the preferred A levels	Classics and Philosophy (BA) Computer Science and Philosophy (BA) Physics and Philosophy (BSC)
University of Manchester International Disaster Management & Humanitarian Response BSc	LAWAAB to ABB	Business and Management (BA) Geography (BA)
Goldsmiths University of London Journalism	ABB or BTEC DDM	Media and Communication (BA Hons) History and Journalism (BA Hons)

Career Opportunities

Conflict Resolution Officer at the UN

What would I do?

- Support strategic and operational planning by advising the ASG and the Chief of Office on matters relating to the effective direction of office operations, assisting with the preparation, implementation and monitoring of the office work plan and actively contributing to the development of solutions to operational issues that may arise.
- Monitor implementation of the compact between the Secretary General and the ASG, and advise on any necessary action to meet targets.
- Coordinate and collate input to management and inter-governmental bodies especially on budgetary as well as administrative matters.
- Provide needed operational support and guidance to the Office’s regional branches on administrative matters.
- Support the Chief of Office, including with coordination and information management, by acting as focal point for administrative activities related to human resources and budgetary matters, implement special projects (e.g team retreats) under the Office’s work programme and prepare related materials for the Chief of Office.

Salary: Starting: £45,000  
UK average: £40,000 to £50,000  
Routes in: Bachelor’s degree in International Relations or Politics

Bio Ethics Researcher

What would I do?

- Bioethics Researchers use their advanced understanding of biology, medicine, and ethics to create rigorous evidence as they develop their own research at universities and hospitals.
- A bioethics researcher utilizes bioethics principles and may participate in biological research or advise others in the field of biological and medical research on the ethical nature of their ongoing inquiries and discoveries.
- Bioethics research professionals pave the way for new discoveries while abiding by human rights laws, ethical regulations, government regulatory standards, and other standards and rules that are applicable in this industry.
- Those with experience researching in healthcare ethics handle confidential information while working to enhance health systems through their important work

Salary: Starting: £25,000  
UK average: £40,000  
Routes in: Bachelors degree in Ethics and Biology

Human Rights Lawyer

What would I do?

Given the range of areas that are affected by human rights, the day-to-day responsibilities of a human rights lawyer could vary greatly. Here are some of the tasks that you might take on:

- Advocating on behalf of victims of human rights violations
- Advising clients and making sure they are aware of their rights
- Talking to clients and witnesses to gather statements
- Writing legal documents for each case
- Researching previous cases
- Negotiating with lawyers representing other parties
- Ensuring that any agreements reached are implemented.

There are many projects around the world that greatly value the help of human rights lawyers. For example, Article 19 (who take their name from the 19th article of the UDHR) helps people exercise their rights to freedom of opinion and expression. The Right to Education Initiative envisions a future where access to education is available world-wide.

Interested in women’s rights? The UN Women site lists plenty of opportunities to get involved. Amnesty International also run many human rights campaigns across the globe.

Salary: Starting: £31 ,000  
UK average: £65,000 - £125,000  
Routes in: LLB Law with International Law and Globalisation, LLB LAWaab





# Physics

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Physics you need:

Three grade 5s plus a grade 6 in Triple Physics or a grade 66 in Combined Science and a grade 6 in Maths

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## Topics covered

### Year 12 AS topics

- Topic 1: Measurements and their errors
- Topic 2: Particles and radiation
- Topic 3: Waves
- Topic 4: Mechanics and materials
- Topic 5: Electricity

### Year 13 A2 topics

- Topic 6: Further Mechanics and thermal physics
- Topic 7: Fields and their consequences
- Topic 8: Nuclear physics
- Topic 9: Astrophysics

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Confidence in carrying out and evaluating practicals
- Gaining an understanding of the ethical implications in science
- Critiquing of scientific articles
- Application of mathematical techniques for data analysis

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## Assessment

There are three external exams sat in May/June at the end of year 13 and 12 core practicals internally assessed throughout the two years.

The external exams are:

- Paper 1: Topics 1-5 and 6.1 (Simple Harmonic Motion) (34%)
- Paper 2: Topics 6.2 (Thermal Physics), 7 and 8 (34%)
- Paper 3: Section A: Practical skills and data analysis & Section B: Topic 9 Astrophysics (32%)

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## Educational trips, visits and wider experiences

As an A level physicist at Stoke Park School you would be given opportunities to participate in a wide range of extra-curricular activities such as the British Physics Olympiad and our STEM club. We supplement our curriculum with educational trips to the radio telescope at Jodrell Bank Observatory to compliment the year 13 Astronomy topic if there is enough interest and plan to visit the Large Hadron Collider at CERN in Geneva in 2024 to build upon students understanding of Particle physics.

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## What type of students will do well on this course?

To do well on this course you need to be interested in how the universe works, a logical thinker, analytical and well organised.

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## For more information contact:

Miss L Jakubecz - Joint Head of Science  
ljakubecz@stokepark.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Birmingham Physics BSc (Hons)	A*AA/AAA to include A Level Physics and Mathematics (A*A)	Physics and Astrophysics BSc Theoretical Physics and Applied Mathematics Bsc Physics with Data Science Bsc
Coventry University Mechanical Engineering Meng/BEng (Hons)	ABB/BBB to include A Level Mathematics and one other science from Physics, chemistry, Design	Aerospace Systems Engineering Meng/BEng (Hons) Manufacturing Engineering Meng/BEng (Hons)
Oxford University Physics BA	A*AA with A* in Science, Mathematics or further mathematics	Condensed Matter Physics (BA) Atmosphere, Oceanic and Planetary Physics (BA) Atomic and Laser Physics (BA)
University of Leicester Diagnostic Radiography (BSc)	BBB to include Physics or one other science	Computer Science Bsc Physics with Space Physics BSc
University of Sheffield Orthoptics BMedSci	BBC to include B A Level Physics, other Science + B in Mathematics	Aerospace Engineering Automatic Control and Systems Engineering Civil and Structural Engineering Electronic and Electrical Engineering
University of Warwick Automotive Engineering	A*AA to include Physics and Mathematics	Computer Science Engineering Manufacturing and Mechanical Engineering Electrical Engineering

Career Opportunities

Microbiologist

What would I do?

- Designing and running simulations in order to determine possible outcomes for future planned projects
- Programming software for launch operations, the safety of the technology and any crew on board space craft is paramount so launches are modelled initially using software
- Quantum computing to develop the theoretical data for simulations
- Satellite navigation to orientate signal and any applications already in use in space
- Cyber security for applications and programs. Increasing cyber security is a concern and this is crucial for the preservation of any data collected.
- System engineering for future quantum communication projects. This can require travel in order to collaborate with other companies and investors
- Report of safety, testing outcomes and design briefings for new project development.

Salary: Starting: £30,000

UK average: £40,000 to £50,000

Routes in: Bachelor’s degree in Physics, Masters degree in Physics

Pharmacologist

What would I do?

- Developing technical plans based on research ideas
- Designing products based on the requirements of the company
- Carrying out surveys on equipment and various mechanical systems
- Presenting design plans to Managers and clients
- Producing technical documents that the company requires
- Conducting product testing
- Overseeing quality control programmes and overall maintenance in a facility
- Developing CAD project drawings and reviewing drawings from junior team members for accuracy
- Completing data logs required onsite
- Collaborating with Project Managers and developing accurate accounting of all engineering hours required for various types of internal projects

Salary: Starting: £34,000

UK average: £40,000 to £50,000

Routes in: Bachelor’s degree in Physics or Mechanical Engineering

Genetic Counsellor

What would I do?

- Analyse energy transmission, conversion and storage systems
- Solve design or operational problems with reactor cores and shielding, hydraulic and electrical systems, and complex instrumentation such as monitoring equipment
- Manage staff and budgets for complex design, construction, maintenance, expansion, safety and decommissioning projects
- Be aware of and address security concerns regarding the use, transport, storage and disposal of radioactive materials
- Interpret data and respond to emerging issues to ensure equipment is always working properly
- Discuss engineering issues with people from other fields, such as construction professionals, power grid managers and government officials
- Plan and assist with the safe decommissioning of facilities that have reached the end of their lifespan, including temporary and long-term disposal of high-hazard radioactive material
- Use mathematical and computer models, and run pilot projects to try out new ideas.

Salary: Starting: £20,000-28,000

UK average: £30,000 - £65,000

Routes in: Bachelor’s degree in Physics or Nuclear Engineering





# Politics

Studying Politics will give you an opportunity to be fully informed on a fundamental part of our society, giving us the knowledge to help us understand that if we engage in political processes, using the pressure points built into the system, then every individual really does have the opportunity to change the world. Looking specifically at the UK political system as well as a comparative section on US politics, this course offers students the chance to see how change can happen in the world. At Barr's Hill you will receive the support from staff who have specialized knowledge in the subject and can offer bespoke one to one support which will help you build knowledge and skills that will prepare you to be an active citizen in the world.

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## Entry Requirements

In order to succeed at A Level Politics, you need a good level of literacy, an interest in how the world works and changes.

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## Topics covered

There are three modules as part of the A Level. Three compulsory exam units. In Year 12, you will study UK Politics. In Year 13 you will study US politics.

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## Skills you will develop on the course

There are a lot of transferable skills such as assertiveness, public speaking, data analysis, essay writing and research. As well as written and oratory skills.

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## Assessment

- UK Politics
- UK Government 33%
- Comparative Politics USA - 33%

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## Educational trips, visits and wider experiences

- We will have a visit to parliament where we will receive a tour and workshop on the history of parliament.
- A range of essay writing competitions will be offered for pupils who want to challenge themselves and enhance their UCAS personal statements

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## What type of students will do well on this course?

A student who wants to understand how the world works and wants to make change. You will also need to be organized and collaborative.

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## For more information contact:

To find out more please speak to any of the teachers in the History department.

Mr Mahon - mahon.s@barrshill.coventry.sch.uk

Mrs Martin - martin.e@barrshill.coventry.sch.uk

Miss Wilcox - wilcox.A@barrshill.coventry.sch.uk

Mr Jupp - jupp.c@barrshill.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Cambridge History BA (Hons)	A* AA inc A Level History	History and Politics History and Modern Languages History of Art
University of St.Andrews Modern History MA (Hons)	AAA inc History A Level	Medieval History Middle East Studies Ancient History Medieval History and Archaeology
Royal Holloway University of London Ancient History BA (Hons)	BBB-ABB	History and Philosophy Modern Languages and History Classical Archaeology and Ancient History History
University of Bristol History BA (Hons)	AAA-ABB including History	English and History History with Languages Ancient History History with Innovation
Manchester Metropolitan University History BA(Hons)	BBC-BCC	History and Politics English and History History and International Relations Art History and Curating

Career Opportunities

Historian

What would I do?

- Present historical accounts in terms of individuals or social, ethnic, political, economic, or geographic groupings.
- Teach and conduct research in colleges, universities, museums, and other research agencies and schools.
- Interview people to gather information about historical events and to record oral histories.
- Organize information for publication and for other means of dissemination, such as use in CD-ROMs or Internet sites.
- Trace historical development in a particular field, such as social, cultural, political, or diplomatic history.
- Conduct historical research, and publish or present findings and theories. Research and prepare manuscripts in support of public programming and the development of exhibits at historic sites, museums, libraries, and archives. Conserve and preserve manuscripts, records, and other artifacts.
- Collect detailed information on individuals for use in biographies.
- Organize data, and analyze and interpret its authenticity and relative significance.

UK average: £32,296

Routes in: A large majority of historians combine teaching, writing and research at colleges and universities. You can also work as consultant in various domains.

Solicitor

What would I do?

- providing legal services like conveyancing, probate, civil and family law, litigation, personal injury and criminal law
- advising businesses and corporate clients in areas like contract law, tax, employment law and company sales and mergers
- advising on insurance, patents, shipping, banking, the media or entertainment
- providing advice in areas like education, planning and social services
- advising government ministers
- prosecuting people who break rules
- advising and representing clients in court
- instructing barristers or advocates to act for clients
- drafting confidential letters and contracts
- researching legal records and case law
- attending meetings and negotiation
- managing finances and preparing papers for court
- using plain English to explain complex legal matters to clients
- keeping up to date with changes in law

UK average: £43194

Routes in: Bachelor’s degree in Law.

Archivist

What would I do?

- storing material correctly and keeping them in good condition
- identifying, dating, cataloguing and indexing archive materials
- helping people use the archives
- making records available to users in formats such as photocopies, microfiche and online
- carrying out research
- giving talks and organising presentations, displays and exhibitions
- negotiating the buying or donation of archive material

UK average: £26,433

Routes in: With experience, you could work with larger and more prestigious organisations like national archives and museums, businesses, church foundations and charities.





# Psychology

In Psychology at President Kennedy School, we are committed to supporting you develop a deeper understanding of yourselves and others through the exploration of Psychological theories, concepts and studies. Teaching will be led by high quality subject specialists. You will be introduced to a variety of explanations for human behaviour and you will develop a number of skills that will support you in applying for higher education opportunities

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## Entry Requirements

5 GCSEs at grade 5 or above, including English and Maths

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## Topics covered

Social Influence

Memory

Attachment

Psychopathology

Approaches in Psychology

Biopsychology

Research Methods

Issues and Debates

Relationships

Schizophrenia

Forensic Psychology

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## Skills you will develop on the course

Whilst increasing your knowledge of psychological theories, concepts and studies, you will also develop the following skills:

Application of knowledge to contemporary examples

Analysis of research findings

Synthesis of cross-curricular concepts

Evaluation of theories and studies, including methods

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## Assessment

There are three external exams sat in May/June at the end of your final year (13).

Paper 1: Introductory topics in Psychology (Social Influence, Memory, Attachment, Psychopathology), 2 hours, 33%

Paper 2: Psychology in Context (Approaches in Psychology, Biopsychology and Research Methods), 2 hours, 33%

Paper 3: Issues and Options in Psychology (Issues and Debates, Relationships, Schizophrenia, Forensic Psychology), 2 hours, 33%

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## Educational trips, visits and wider experiences

To further enhance students' psychological knowledge and appreciation of the subject, students will visit and attend psychology masterclasses in some of the world's leading universities for psychology. Students will also experience talks from leading psychologists to help further widen their career ambitions.

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## What type of students will do well on this course?

You will need to be passionate about understanding others, have excellent time management, be prepared to develop your independent learning skills, enjoy discussions and debates and be able to write scientifically.

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## For more information contact:

Ms Wright - Leader of Psychology  
wrighte@pks.coventry.sch.uk

Mrs Shahid - Psychology Teacher  
shahidk@pks.coventry.sch.uk

Mr Green - KS5 Lead  
greenj@pks.coventry.sch.uk

Mr Jhutti - Head of Science  
jhuttim@pks.coventry.sch.uk

Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
UCL (University College London) Psychology BSc	A* , A, A to include at least one, preferably two subjects from Biology, Chemistry, Mathematics, Physics and Psychology.	Psychology and Language Sciences BSc (Hons) (lower entry requirements) Psychology with Education BSc (Hons) (lower entry requirements)
Royal Holloway, University of London Psychology BSc (Hons)	A, A, A, - A, A, B (EPQ will lower offer)	Applied Psychology BSc (Hons) Criminology and Psychology BSc (Hons) Psychology, Clinical Psychology and Mental Health BSc (Hons) Psychology, Clinical and Cognitive Neuroscience BSc (Hons) Psychology, Development and Developmental Disorders BSc (Hons) Criminology and Psychology with a Year in Industry BSc (Hons) (4 years full time)
Bath Spa University Psychology BSc (Hons)	B, C, C - C, C, C	Business Psychology BSc (Hons) Psychology and Sociology BSc (Hons)

Career Opportunities

Clinical Psychologist

What would I do?

- A Clinical Psychologist deals with a wide range of mental and psychological health problems including depression, addiction, anxiety, difficulty learning and relationship issues. They use psychological therapies and procedures to help patients overcome these problems.
- Clinical Psychologists often work in a variety of settings including schools, prisons, research institutions and universities and in private practice. They can meet with clients in different locations to identify the problems in their lives. Their top methods of diagnosing psychological problems are through observations, interviews and tests.

Starting Salary: £32,306

UK average: £47,395

Routes in: Bachelor’s degree accredited by the British Psychological Society and at least three years postgraduate study. Can be sponsored and trained by the NHS

Sport and Exercise Psychologist

What would I do?

- Assess your clients’ needs and abilities, and monitor sporting performance and behaviour
- Implement strategies to help clients overcome difficulties, improve performance or realise potential
- Work with a multidisciplinary team including other psychologists, nutritionists, GPs, coaches and physiologists
- Deliver counselling and/or workshops covering issues such as goal setting, visualisation and relaxation
- Conduct and apply research in sport or exercise psychology

Starting Salary: £20,000 - £22,000

UK average: £27,000 - £48,000

Routes in: Bachelor’s degree accredited by the British Psychological Society (BPS), a BPS accredited MSc in Sport and Exercise Psychology, two years of supervised practice

Archivist

What would I do?

- Conduct interviews with individuals and families to assess and review their situation
- Undertake and write up assessments (sometimes in collaboration with other professionals), which meet specified standards and timescales
- Offer information and support
- Organise and manage packages of support to enable people to lead the fullest lives possible
- Recommend and sometimes make decisions about the best course of action for a particular person or family
- Liaise with, and making referrals to, other agencies
- Participate in multidisciplinary teams and meetings regarding, for example, child protection or mental health
- Maintain accurate records and prepare reports for legal action
- Give evidence in court
- Participate in training, supervision and team meetings.

Starting Salary: £24,000

UK average: £30,000 - £40,000

Routes in: Bachelor’s Degree (2:2 or 2:1 minimum grade) and a Postgraduate Degree





# Sociology

At Stoke Park we are committed to ensuring our students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff who are passionate about their subject. Students have the opportunity to learn new content and alongside the course, they will have numerous super curricular opportunities and experiences to develop skills that will support them with their future aspirations.

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## Entry Requirements

To take A Level Sociology you need:  
5 grade 5 GCSEs or above including English and Maths

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## Topics covered

### Year 12 AS topics

- Topic 1: Families and Households
- Topic 2: Education
- Topic 3: Research Methods

### Year 13 A2 topics

- Topic 4: Crime and Deviance
- Topic 5: Beliefs in Society
- Topic 6: Theory and Methods

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## Skills you will develop on the course

Throughout this course you will have the opportunity to develop the following skills:

- Analytical writing
- Cultural awareness
- Argument construction

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## Assessment

There are three external exams sat in May/June at the end of Year 13 all 2 hours long.

The external exams are:

- Paper 1: Education with research methods in context
- Paper 2: Topics in Society (Families and Beliefs).
- Paper 3: Crime and Deviance with theory and method

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## Educational trips, visits and wider experiences

We commit to organising visits for all students to Warwick or Coventry Universities where students will gain an insight into life as a sociology graduate, meeting university students and lecturers. Students will also be taken to workshops in Year 13 which are based on enhancing students' knowledge of exam skill and application of knowledge.

Students can apply to become a Sociology Student Ambassador, where they can gain leadership skills and be involved with the organising and delivery of clubs such as debate clubs across all age ranges at Stoke Park School.

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## What type of students will do well on this course?

To do well on this course you need to be curious about the world around you, keep up to date with current events, dedicated, have and will share their opinions and are willing to take an active part in the lesson.

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## For more information contact:

Miss Steane  
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Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
University of Warwick Sociology BA (Hons)	BBB or ABC including GCSE 6 in English	Sociology and Criminology BA Hons Law and Sociology BA Hons Sociology and Politics BA Hons
Coventry University Sociology BA (Hons)	BBC	Sociology and Social Research
University of Leeds Sociology BA (Hons)	ABB	Social Policy, Sociology and Crime
University of Exeter Sociology BSc	AAB or DDD BTEC	Philosophy and Sociology BA Sociology and Anthropology BA Sociology and Modern Languages BA
Durham University Sociology BA (Hons)	AAB or DDD BTEC	Sociology and Anthropology BA Education studies - Sociology BA
University of Bristol BSc Sociology with study abroad	AAB	Sociology and Anthropology BA Theology and Sociology BA

Career Opportunities

Probation Officer

What would I do?

- meeting with and supervising offenders anywhere from once a week to every day
- reviewing reports, compiling assessments and liaising with other agencies such as psychologists and social workers
- writing pre-sentence reports or parole reviews for courts that help judges and parole boards make decisions on what sentence to pass
- collaborating with colleagues working in other areas of criminal justice, such as courts and prisons, to protect the public and minimise reoffending rates
- carrying out risk assessments on offenders to assess how likely they are to re-offend
- working with offenders to motivate them towards positive change, help them to find work and reduce reoffending
- working with victims of violent and sexual crimes to help them recover and ensure their experiences matter during sentencing and parole reviews
- attending court, which can sometimes mean testifying about an offender that you work with

Salary: Starting: £44,977  
UK average: £40,000 to £50,000  
Routes in: Bachelor’s degree Sociology

Law

What would I do?

- Advising clients
- Interpreting laws and applying them to specific cases
- Gathering evidence for a case and researching public and other legal records
- Representing clients in court
- Examining legal data to determine advisability of defending or prosecuting lawsuit
- Presenting evidence to defend clients or prosecute defendants in criminal or civil litigation
- Preparing and drafting legal documents e.g. legal briefs, wills, deeds, mortgages, leases etc.
- Negotiating settlements
- Supervising legal assistants
- Act as agent, trustee, guardian, or executor for businesses or individuals

Salary: Starting: £23,000  
UK average: £50,000-£60,000  
Routes in: Bachelor’s degree in Sociology and Law

Social and Market Researcher

What would I do?

- meet and liaise with clients to negotiate and agree research projects
- prepare briefs and commission research
- formulate plans or proposals to present to your client or senior management
- write and manage the distribution of surveys and questionnaires
- brief interviewers and researchers
- liaise with and manage survey staff
- moderate focus groups
- undertake ethnographic research (observing people in their homes and other environments)
- conduct qualitative or quantitative surveys, which may involve field, interview or focus group assessments
- use statistical software to manage and organise information
- monitor the progress of research projects
- analyse and interpret data to identify patterns and solutions, including surveys and focus group transcripts
- write detailed reports and present results
- advise clients or senior management on how to best use research findings
- manage budgets.

Salary: Starting: £25,000  
UK average: £35,000 to 55,000  
Routes in: Bachelor’s degree in Sociology





## BTEC Level 3 National Diploma in Sport

At Barr's Hill we are committed to ensuring students receive top quality teaching and learning experiences. Students will be taught by experienced members of staff and will complete both internal and external units as part of the course. Alongside the course they will have character building opportunities to support them with their future aspirations.

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### BTEC Level 3 National Diploma in Sport

During this course you will study both external components (exam), and internal components (coursework). You will undertake mandatory units, and some optional units which will be based around practical activity. Support and guidance will be provided throughout the course and historically the average grade that students achieve on this course is D\*D.

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### Coaching qualifications

A level 1/2 coaching qualification is the first stepping-stone on the coaching pathway. It will provide you with an introduction to coaching a certain sport, and working with players of all ages. Having a level 1 coaching qualification in 2 sports will support your university application and is a fantastic qualification to add to your CV. It shows that you have good communication skills, are keen to develop your sporting knowledge, and have experience working well with others.

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### Quality coaching at Barr's Hill

At Barr's Hill we have a vast number of enrichment opportunities and provide access to sport on 3 levels. To ensure all young people are physically active, 2: To develop school teams, 3: To develop elite players and help them to develop through providing links to external clubs. We have strong links with external agencies in Football, Basketball, Trampolining and Dance all on our doorstep! Students who study this course can take advantage of these links and train and coach with sporting specialists at a variety of levels.

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### Employment opportunities

Once students have achieved their coaching badges there is a possibility of them being employed to run lunch and after school academies in their chosen sport. Students can be employed as coaches to help work with our school teams and put their coaching skills into practice.

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### Visiting Universities

Students will visit Loughborough University where they will have the opportunity to experience a day in one of the UK's leading higher education institutions. World renowned as a center of sporting and academic excellence, students are given the opportunity to view world class sporting facilities and gain insight into university life and what it means to be a university student. Students will also visit a local university where they will experience sporting workshops and gain an insight into higher education.

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### Nike Tracksuit

Students will be able to purchase a full Nike tracksuit and Nike t-shirts at a discounted price. Due to the practical nature of the course they will be able to wear this during the days that they will be studying Sport.

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### Sports tours

During the Easter holidays students can opt to attend a sporting tour where they will either travel abroad or stay in the UK and experience high quality coaching in a sport of their choice. They will play fixtures against other teams and have the opportunity to attend excursions that may be of interest to them. This action packed tour also builds on revision opportunities in preparation for the external assessments that students will take in summer.

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Post-School Progression Opportunities

University	Entry requirements	Other similar courses offered
Loughborough University Sport and Exercise Sciences BSc (Hons)	BTEC Level 3 National Diploma: D*D* including Distinctions in all units in combination with a grade A in a preferred A-level subject.	Sport Management BSc (Hons) Sport and Exercise Psychology BSc (Hons) Sport, Coaching and Physical Education BSc (Hons)
Durham University Sport and Exercise Sciences	BTEC Diploma in Sport at DD and a further BTEC at grade D	Sport, Exercise and Physical Activity BA (Hons)
University of Bath Health and Exercise Sciences BSc (Hons)	A in one A level subject plus DD in the BTEC National Diploma (RQF)	Sport Management and Coaching BSc (Hons) Sport and Exercise Science BSc (Hons) Sport Management and Coaching BSc (Hons)
University of Birmingham Sport, Exercise & Health Sciences BSc (Hons)	BTEC Diploma in Sport Science related subjects accepted in combination with an A Level (D* D* including Distinction in all units plus grade A in an accepted subject) For Sport Diploma the A Level must be in a core science subject.	Sport, PE and Coaching Science BSc (Hons) Physiotherapy BSc (Hons)
Coventry University Sport, Exercise & Health Sciences BSc (Hons)	BTEC Diploma in Sport at DM and a further BTEC at grade M in a Science based subject	Sport and exercise therapy BSc (Hons) Sport and exercise psychology BSc (Hons) Sport Management BA (Hons)

Career Opportunities

Sports Therapist

What would I do?

- Seeing patients who have injured themselves through sport and assessing the injury
- Treating injuries through massage, mobilisations and electrotherapy and applying strapping
- Developing a programme for patients that is designed to restore the normal range of movement and function
- Helping team players prepare for a game and testing a player’s fitness
- Offering first aid during a game if anyone is injured

Salary: Starting: £16,333  
UK average: £25,758  
Routes in: Bachelor’s degree

Physical Education Teacher

What would I do?

- Planning lessons
- Marking students’ work
- Meeting with parents and carers to discuss pupils’ progress
- Organising outings and sporting events
- Attending meetings and training events

Salary: Starting: £22,917  
UK average: £33,824  
Routes in: Bachelor’s degree

Sport and Excercise Scientist

What would I do?

- Working with sports coaches and sports therapists to assess individuals and teams and improve their performance
- Working alongside doctors to help improve a client’s health through physical activity
- Working with hospitals and Primary Care Trusts to help improve a client’s health
- Running Clinics and services in local leisure centres
- Taking part in research projects

Salary: Starting: £18,972  
UK average: £41,923  
Routes in: Bachelor’s degree

Health Psychologist

What would I do?

- Adressing behaviour that damages health, such as smoking, over-eating and alcohol or drug abuse
- Encouraging people to look after their health and promoting healthy behaviour such as teeth cleaning and excercise
- Using psychological techniques to aid recovery
- Helping to improve communication between doctors, nurses, and patients
- Studying the psychological effects of illness on patients and their families or carers.

Salary: Starting: £18,972  
UK average: £41,923  
Routes in: Bachelor’s degree

Company Director Sport

What would I do?

- Deciding on the direction the company should be heading in
- Monitoring the company’s progress
- Appointing senior managers
- Making sure that the company is financially sound
- Being accountable to shareholders for the company’s performance

Salary: Starting: £23,000  
UK average: £70,000  
Routes in: Bachelor’s degree

Personal Trainer

What would I do?

- Educate and motivate clients to helpthem follow their programmes
- Advise clients on achieving a healthylife-style
- Work with clients in the gym, supervising workouts and exercises
- Monitor and record progress
- Educate and motivate clients to helpthem follow their programmes

Salary: Starting: £18,500  
UK average: £30,000  
Routes in: Bachelor’s degree



# YOUR BRIGHTER FUTURE STARTS HERE...



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