



# **John Port School**

An Academy Trust

## **Sixth Form Course Guide September 2018 Entry**



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## COURSE ENTRY REQUIREMENTS

Course	Qualification	English Language and Maths requirements	Examination entry requirements for course
<b>Biology</b>	A Level	Grade 5 English Grade 6 Maths	General entry requirements plus GCSE grade 6 in Science Trilogy/Biology
<b>Business Studies</b>	BTEC	Grade 4 English Grade 4 Maths	General entry requirements
<b>Business Studies</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade B (6) in Business Studies
<b>Chemistry</b>	A Level	Grade 5 English Grade 6 Maths	General entry requirements plus GCSE grade 6 in Science Trilogy/Chemistry
<b>Computer Science</b>	A Level	Grade 5 English Grade 6 Maths	General entry requirements, GCSE grade B (6) in ICT/Computer Science plus an interest in computing and programming
<b>Drama and Theatre</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements, plus GCSE grade 4 in Drama; students who haven't taken Drama before will require an audition
<b>Economics</b>	A Level	Grade 5 English Grade 6 Maths	General entry requirements plus GCSE grade 6 in Maths
<b>EPQ</b>	Level 3	Grade 5 English Grade 5 Maths	General entry requirements
<b>English Language</b>	A Level	Grade 6 English Grade 5 Maths	General entry requirements plus GCSE grade 6 in English Language
<b>English Literature</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 6 in English Literature
<b>Fine Art</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 5 in Art or equivalent art based subject
<b>French</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 6 in French
<b>Geography</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 6 (B) in Geography or grade 6 in English if Geography not taken at GCSE
<b>German</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 6 in German
<b>Government &amp; Politics</b>	A Level	Grade 6 English Grade 5 Maths	General entry requirements plus GCSE grade 6 in English Language
<b>Health &amp; Social Care</b>	BTEC	Grade 4 English Grade 4 Maths	General entry requirements
<b>History</b>	A Level	Grade 6 English Grade 5 Maths	General entry requirements plus GCSE grade 6 (B) in History, or GCSE grade 6 in English Language if History not taken at GCSE
<b>Core Maths</b>	Level 3 Certificate	Grade 5 English Grade 6 Maths	General entry requirements
<b>Mathematics</b>	A Level	Grade 5 English Grade 6 Maths	General entry requirements

<b>Further Mathematics</b>	A Level	Grade 5 English Grade 7 Maths	General entry requirements. Please note Maths must also be taken as an option.
<b>Physics</b>	A Level	Grade 5 English Grade 6 Maths	General entry requirements plus GCSE grade 6 in Science Trilogy/Physics
<b>Product Design [3D]</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade B (6) in a technology subject.
<b>Psychology</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 5 in English Language and Biology/ Science Trilogy
<b>Applied Science</b>	Level 3 Certificate	Grade 5 English Grade 5 Maths	General entry requirements plus a grade 4 in Science Trilogy.
<b>Sociology</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 5 (C) in Sociology or GCSE grade 6 in English Language if Sociology not taken
<b>Spanish</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE grade 6 in Spanish
<b>Textiles</b>	A Level	Grade 5 English Grade 5 Maths	General entry requirements plus GCSE Textiles or equivalent art based subject at grade 5



**Course Title:** Biology

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include a minimum GCSE grade 6 in Science Trilogy or a GCSE grade 6 Biology. Due to the mathematical demands of the course a GCSE grade 6 in Maths is also required.

### Brief Outline of the Course:

1. Biological molecules
  2. Cells
  3. Organisms exchange substances with their environment
  4. Genetic information, variation and relationships between organisms
  5. Energy transfers in and between organisms
  6. Organisms respond to changes in their internal and external environments
  7. Genetics, populations, evolution and ecosystems
  8. The control of gene expression
- Assessment for A Level will be 3 x 2 hour written examinations
  - The assessment of practical skills is a compulsory requirement of the course of study for A-level Biology and students will be required to complete a minimum of 12 practical activities

### Who can I contact for more information about the course?

- Director of Faculty [Science]: Mrs C Cox [cco@johnport.derbyshire.sch.uk](mailto:cco@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Biology]: Mrs R Jarvis [rjv@johnport.derbyshire.sch.uk](mailto:rjv@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

There are a wide variety of careers that a Biology A Level supports. This course provides an ideal basis for further study at university or apprenticeships. Students can also continue to study this subject at degree level.

What careers would this course be useful for?

- Medicine
- Dentistry
- Microbiology
- Physiotherapy
- Neuroscience
- Nursing
- Audiology
- Biological Sciences
- Pharmacy
- Forensic Science
- Biomedical Sciences
- Pharmaceutical Science
- Veterinary Science
- Environmental

These are just some of the careers you might be able to go into. Have a look at more careers on the following website <https://www.societyofbiology.org/careers-and-cpd/careers>

**Course Title:** BTEC level 3 Extended Diploma in Business Studies

**Qualification:** BTEC (Equivalent to 3 A levels)

**Level:** 3

**Awarding Body:** Edexcel

## **Specific Entry Requirements:**

Average score of 38.5 points from the best 6 subjects plus a pass (minimum grade 4) in English and Maths.

## **Brief Outline of the Course:**

A BTEC Extended Diploma is a coursework based qualification that takes hard work to achieve, but at the end of it you will have skills and ideas that will be attractive to any business and allow you to progress to university. These units will allow students a consideration of how businesses operate, the business environment including the political, social, economic, legal, technological environment in which they operate. The course involves a consideration of the key business functions: marketing, human resource management, finance and IT. Students will explore how businesses promote their products by looking at successful advertising campaigns and studying real life examples. The course will then examine key management questions such as; how to best motivate and lead a workforce, how to ensure that a business makes a profit and breakeven as well as how to recruit the best candidates?

### **The core units consist of:**

1. Exploring Business
2. Developing a Marketing Campaign – externally assessed
3. Personal and Business Finance – externally assessed
4. Managing an Event
5. International Business
6. Principles of Management – externally assessed
7. Business Decision Making – externally assessed

### **Other units include:**

- Recruitment and Selection Process
- Cost and Management Accounting
- Investigating Retail Business
- Digital Marketing
- Investigating Corporate Social Responsibility
- Investigating Customer Service

## **How will I be assessed?**

13 units of which 7 are mandatory and 4 are external.

## **How many hours of Self-Study will be required?**

There are no set required hours but it is anticipated that students should spend at least five hours a week outside of the classroom either researching or completing assignments

## **How is this Course delivered?**

The course is delivered by a number of members of staff. Lessons will include a range of activities designed to give students an insight into the latest developments within the world of business. Students will be expected to complete projects and be expected to develop essential business skills such as problem solving, communication skills and team work.

## **What could this qualification lead to?**

Many of our students go on to university to pursue a wide variety of courses such as: Business Management, International Business Management, Marketing, Events Management as well as Business computing and ICT. Alternatively, some students successfully secure apprenticeships with local businesses such as in Retail Management, IT Support and Business Administration.

## **Who can I contact for more information about the course?**

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Business]: Mrs C Ashton-Blanksby [cvb@johnport.derbyshire.sch.uk](mailto:cvb@johnport.derbyshire.sch.uk)

**Course Title:** Business Studies

**Qualification:** A Level

**Level:** 3

**Awarding Body:** OCR

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE Business Studies at grade B or above.

## Brief Outline of the Course:

Students will explore how businesses are organised, the business environment including the political, social, economic, legal, technological context in which they operate. The course involves a consideration of the key business functions: marketing, human resource management, finance and production. Students will explore how businesses promote their products by looking at successful advertising campaigns and studying real life examples. The course then examines key management questions such as how to best motivate and lead a workforce, how to ensure that a business makes a profit and breakeven and which production method should be used to ensure the highest quality.

At the end of the two-year course, students will complete 3 written exams, namely:

- Operating in a local business environment,
- The UK business environment,
- The global business environment.

## Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Business]: Mrs C Ashton-Blanksby [cvb@johnport.derbyshire.sch.uk](mailto:cvb@johnport.derbyshire.sch.uk)

## What could this qualification lead to?

Our students have taken various successful paths towards university, apprenticeships and careers after completing the course. Possible undergraduate courses could include; Business Law, Finance, Accountancy, Human Resources Management, Advertising and Industrial Economics. As for possible careers, some of our previous students have secured apprenticeships at Rolls Royce, HSBC, BMW and Lloyds Banking Group.

# CHEMISTRY

## FACULTY OF SCIENCE

**Course Title:** Chemistry

**Qualification:** A Level

**Level:** 3

**Awarding Body:** Edexcel

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include a minimum GCSE grade 6 in Science Trilogy or GCSE Chemistry along with a grade 6 in Maths. All examinations will include 20% assessment of Mathematical skills at a level of GCSE Higher Tier or above.

### Brief Outline of the Course:

The course consists of an assessment of both theory and practical skills. These practical tasks will not count towards your final grade, but you will gain an endorsement on your final certificate demonstrating that you are competent in core practical skills. Sixteen Core Practical sessions cover all of the techniques required for your practical competency measure. This Course is 100% externally assessed-there is no coursework element.

Below is a list of subject headings for the complete A Level course.

- Bonding and Atomic Structure
- Redox
- Inorganic Chemistry and Periodicity
- Acids, bases and buffers
- Formulae, Equations and Amounts of Substance
- Organic Chemistry including Analysis and Synthesis
- Modern Analytical Techniques
- Energetics and Thermodynamics
- Kinetics and the rate equation
- Equilibrium
- Transition Metals and Electrochemical cells
- Experimental Methods and Theory-including Core Practical work

### Who can I contact for more information?

- Director of Faculty [Science]: Mrs C Cox [cco@johnport.derbyshire.sch.uk](mailto:cco@johnport.derbyshire.sch.uk)
- i/c Sixth Form Chemistry: Mrs A Peers [ap@johnport.derbyshire.sch.uk](mailto:ap@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

A chemistry qualification could open doors to all sorts of jobs that you may have never even imagined! The food we eat, the clothes we wear and the technology we use all depend on chemistry. Chemists develop new medicines, safeguard our food supply, monitor and protect our environment. A few of the many career options with further study includes Forensic Science, Nanotechnology, Accountancy, Chemical Engineering, Drugs Research and Development, Pharmacy, Medicine, Dentistry, Publishing, Journalism-even Law! A Chemistry qualification will enable you to develop skills highly desirable to employers such as logical and abstract thinking, communication, creativity, analysis, data handling and critical observation.

# COMPUTER SCIENCE

## FACULTY OF TECHNOLOGIES

**Course Title:** Computer Science

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

In addition to the general entry requirement for the Sixth Form, you should have a clear interest in computing and have experience of the basics of programming; this may be via a suitable GCSE course or other methods. This course will require you to use computing concepts that need clear analytical skills, as well as the resilience to stick on tasks. Grade 6 (B) or equivalent in an ICT/Computer Science level 2 qualification (individuals without a relevant qualification will be looked at on an individual bases based on interest and level of understanding), grade 6 in Maths.

### Brief Outline of the Course:

**Paper 1** On-screen exam: 2 hours 30 minutes. 40% of A-level.

- This paper tests your ability to program, as well as your theoretical knowledge of Computer Science from subject content 1-4 below listed under the Mandatory Modules section.

**Paper 2** Written exam: 2 hours 30 minutes. 40% of A-level.

- This paper tests your ability to answer questions from subject content 5-12 below.

**Non-exam assessment** (Coursework) 75 marks. 20% of A-level.

- The non-exam assessment assesses your ability to use the knowledge and skills gained through the course to solve or investigate a practical problem. You will be expected to follow a systematic approach to problem solving, as shown in section 13 below.

The subject content listed below will be covered and assessed as shown above:

1. Fundamentals of programming
2. Fundamentals of data structures
3. Fundamentals of algorithms
4. Theory of computation
5. Fundamentals of data representation
6. Fundamentals of computer systems
7. Fundamentals of computer organisation and architecture
8. Consequences of uses of computing
9. Fundamentals of communication and networking
10. Fundamentals of databases
11. Big Data
12. Fundamentals of functional programming
13. Systematic approach to problem solving
14. Non-exam assessment - the computing practical project

### Who can I contact for more information about the course?

- Director of Faculty [Technologies]: Mr B Croft [bc@johnport.derbyshire.sch.uk](mailto:bc@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Computing]: Mr A Smith [as@johnport.derbyshire.sch.uk](mailto:as@johnport.derbyshire.sch.uk)
- Subject Teachers: Mrs E Murphy [emy@johnport.derbyshire.sch.uk](mailto:emy@johnport.derbyshire.sch.uk)
- Awarding Body:  
<http://filestore.aqa.org.uk/resources/computing/specifications/AQA-7516-7517-SP-2015-V1-1.PDF>

**What could this qualification lead to?** Many of the students continue with a Computer Science related degree with some entering computing type apprenticeships. Computer Science professionals are in high demand and current research shows a major shortage in this field.

# DRAMA AND THEATRE

## FACULTY OF PERFORMANCE AND ART

**Course Title:** Drama and Theatre

**Qualification:** A Level

**Level:** 3

**Awarding Body:** Edexcel

### Specific Entry Requirements:

In addition to the general entry requirement for the Sixth Form, the minimum requirement for the A Level course is a GCSE level 4 in Drama, or Merit at BTEC. If Drama was not taken at GCSE or BTEC level, entry would be by audition and relevant Drama experience outside of school.

### Brief Outline of the Course:

This 2 year course is comprised of 3 assessed units encompassing the skills of devising, performing, interpreting and evaluating theatre. In Component 1 students develop an original performance in response to the work of a theatre practitioner which is documented in an accompanying portfolio. In Component 2 students perform 2 extracts from a play text with a focus on both group and solo or paired performances. In the final component students sit an end of course written examination evaluating a live theatre performance and detailing their ideas for the performance and direction of studied set texts.

### Who can I contact for more information about the course?

- Director of Faculty [Performance and Art]: Mr A Mara [am@johnport.derbyshire.sch.uk](mailto:am@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Drama]: Mrs J Edwards [je@johnport.derbyshire.sch.uk](mailto:je@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

This course would be useful for anyone looking for a career in the Arts or Media. However, the skills of teamwork, communication, creativity and resilience, which are essential in Drama are valued in most employments.

Here are some examples of careers in this area of interest:

- Actor
- Drama therapist
- Entertainer
- Prop Maker
- Stage Manager
- Theatre Director
- Teacher
- Writer

A career in the Music and the Creative Arts Industry - currently worth around £76.9 billion per year in the UK.

**Course Title:** Economics

**Qualification: Level** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

- The general entry requirement for the Sixth Form applies. This should include GCSE Maths at grade 6 or above.

### Brief Outline of the Course:

Students consider of macro and microeconomics. Students will explore markets and how prices are determined through demand and supply. Students will then consider the wider questions governing the management of the economy with consideration given to monetarist and Keynesian demand management. Students will consider how governments can use interest rates and taxation to generate growth in the economy and avoid recessions and downturns. The theory of the firm shows how real life actions of firms can be analysed using traditional theory. Additionally, students will explore international trade as will consider the arguments for and against a single currency such as the Euro. Students will look at the issue of behavioural economics, which considers issues that affect consumers buying behaviour.

### Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

Many of our students have pursued Economics at undergraduate level, as well as Money, Banking and Finance, Mathematical Economics and Statistics and Industrial Economics. Students can follow a number of career options including management, banking and investment, accounting and civil service.

# EXTENDED PROJECT QUALIFICATION [EPQ]

**Course Title:** Extended Project Qualification

**Qualification:** AS Equivalent

**Level:** 3

**Awarding Body:** Edexcel

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies.

## Brief Outline of the Course:

The EPQ is a unique programme of study. It is intended to give students the opportunity to gain a qualification based on an outside interest, club or hobby that can be related to something you study, but might also be something completely different. In this way, somebody studying Biology might want to do a project on stem cell research, but they also might want to do a project on Irish music; both would be equally valid. You formulate your project yourself, and you will be helped and guided by a tutor in school. You will then have timetabled lessons through the project management phase, eventually through to delivering a Project of 'A' level standard. Project has no exams, just coursework, so if you're self-motivated and enjoy working independently – whether in a practical way, like designing or performing, or researching, investigating and writing - then Project is for you.

You will be assessed on:

- How well you manage your work, such as planning your time and choosing what methods to use;
- How you select and use information and resources throughout the EPQ;
- The range of skills you develop and use to achieve what you set out to do;
- How effectively you review your own work.

In other words, it's not what you produce but the process you used to manage your Project. What you learn and how you perform throughout the time spent on your Project all count towards your final grade.

## Who can I contact for more information about the course?

Talk to Mr Allt, Assistant Head Teacher, Director of Sixth Form, if you would like to discuss whether the EPQ is for you.

## What could this qualification lead to?

Because it develops skills rather than just subject knowledge (or it can be both), the EPQ can be useful in any sphere of professional life. The qualification is especially useful however, in convincing admissions tutors at universities that you are worth making a place at their institution. As this quote from Cambridge University states: 'We welcome the introduction of the Extended Project and would encourage you to undertake one as it will help you develop independent study and research skills and ease the transition from school/ college to higher education.'

The Extended Project has a UCAS Tariff equivalent to an AS Level (i.e. A\* = 56 points, A = 48 points, B = 40 points etc.). Feedback from Universities suggests that the Extended Project is very well regarded by Admissions Tutors.

# ENGLISH LANGUAGE FACULTY OF ENGLISH

**Course Title:** English Language

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE English Language at grade 6 or above and Maths at grade 5 or above plus an average point score of 43 points from the remaining best 6 subjects.

## Brief Outline of the Course:

**Year 1:** You will analyse: variations in texts – how texts vary according to audience, purpose, register, formality and context; representation of events, people and circumstances in both fiction and nonfiction for both spoken and written texts; and diversity - how our language use differs depending on our gender, occupation, power, class, accent, dialect, the context and who we are speaking/writing to. You will debate language use in your creative writing.

**Year 2:** In the second year we will study Child Language Acquisition (how children acquire the ability to speak, read and write) and Language Change (how and why language has changed over time and continues to evolve today). Two coursework tasks (worth 20%) will be completed: a Language Investigation (2,000 words) and original writing and commentary (1,500 words total).

This course is assessed with two end-of-year 2 exams, each worth 40% of the A Level. You will receive the final 20% of your grade for the coursework you have produced.

## Who can I contact for more information about the course?

Director of Faculty [English]:

Director of Teaching & Learning [English KS5]:

Mrs A Swift [aswi@johnport.derbyshire.sch.uk](mailto:aswi@johnport.derbyshire.sch.uk)

Mrs L Ceney [lc@johnport.derbyshire.sch.uk](mailto:lc@johnport.derbyshire.sch.uk)

Mrs E Brook [enb@johnport.derbyshire.sch.uk](mailto:enb@johnport.derbyshire.sch.uk)

**Course Title:** English Literature

**Qualification:** A Level

**Level:** 3

**Awarding Body:** Edexcel

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE English and Maths at grade 5 or above plus an average point score of 43 points from the remaining best 6 subjects.

## Brief Outline of the Course:

A Level: This course is two years long. You will start by studying for AS and will take the AS exam but only as a 'mock'. Your second year will prepare you for the extra elements of the course needed to complete study for the full A level. In the first year you will study the following units:

- Modern Poetry (study of an anthology of 28 poems written between 2002–2011. We will study half of the poems in Year one and the other half in Year two.)
- Prose Texts (study of *The Handmaid's Tale* by Margaret Atwood and *Frankenstein* by Mary Shelley. These texts are to be compared and contrasted in the exam.)
- Modern Drama (study of *A Streetcar Named Desire* by Tennessee Williams.)

In the second year you will study the following units:

- Study of 'Othello' by William Shakespeare.
- Study of how to respond to Unseen Poetry.
- Study of Chaucer's 'The Wife of Bath.'
- Revision of all elements of Year 1.
- Production of one 2,500-word coursework essay comparing two texts. This is an independent research unit but you will, of course, be heavily supported by your teacher.

This course is assessed with three end of Year two exams:

- Paper 1: Drama (one essay on Shakespeare's 'Othello' and one essay on Williams' 'A Streetcar Named Desire.')
- Paper 2: Prose (one essay comparing *The Handmaid's Tale* to *Frankenstein*.)
- Paper 3: Modern Poetry (comparing one poem from your anthology to an unseen poem and responding to a question on Chaucer's 'The Wife of Bath.')

The final 20% of your grade comes from the coursework you have produced

## Who can I contact for more information about the course?

- Director of Faculty [English]: Mrs A Swift [aswi@johnport.derbyshire.sch.uk](mailto:aswi@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [English KS5]: Mrs L Ceney [lc@johnport.derbyshire.sch.uk](mailto:lc@johnport.derbyshire.sch.uk)

# FINE ART FACULTY OF PERFORMANCE

**Course Title:** Fine Art

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE in Art or an Art based subject at grade 5 or above.

## Brief Outline of the Course:

In a demanding but enjoyable programme of study, you will have the opportunity of extending your skills and control in a wide range of materials, processes and techniques. Creative work and an independent, imaginative approach is underpinned by a strong emphasis on observational work in a variety of media. You will explore the work of other artists in depth and this analysis will develop your own artistic skills and ideas.

## There are 2 Components in A Level:

- Component 1: You develop work based on an idea, issue, concept or theme leading to a finished outcome. Practical elements should make connections with some aspect of contemporary or past practice of artist(s), designer(s), photographers or craftspeople and include written work of no less than 1000 and no more than 3000 words which supports the practical work.
- Component 2: You respond to a stimulus, provided by AQA, to produce work which provides evidence of your ability to work independently within specified time constraints, developing a personal and meaningful response which addresses all the assessment objectives and leads to a finished outcome or a series of related finished outcomes

## Who can I contact for more information about the course?

- Director of Faculty [Performance]: Mr A Mara [am@johnport.derbyshire.sch.uk](mailto:am@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Art and Design]: Mrs H Udall [hu@johnport.derbyshire.sch.uk](mailto:hu@johnport.derbyshire.sch.uk)

## What could this qualification lead to?

- Fine Artist
- Architect
- Animator
- Graphic Designer
- Illustrator
- Art therapist
- Museum curator
- Product designer
- Interior Designer

<b>Course Title:</b>	<b>French</b>
<b>Qualification:</b>	<b>A Level</b>
<b>Level:</b>	<b>3</b>
<b>Awarding Body:</b>	<b>AQA</b>

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE French at grade 6 or above.

### Brief Outline of the Course:

The topics and grammar build up from GCSE level. The topics are linked to countries where French is spoken and includes aspects of history, geography, the arts, business and social studies. There will be a grammar lesson every week which will develop students' understanding of the language further, clarifying and developing points from the GCSE course.

Assessment:

3 exams in May/June 2020

- Paper 1: Listening, reading and writing (50% of A-level)
- Paper 2: Writing (20 % of A-level) based on the study of a film and a book
- Paper 3: Speaking (30% of A-level). The exam consists of two parts: a discussion based on a stimulus card (5–6 minutes) and a presentation and discussion (11-12 minutes) of an individual research project.

### Who can I contact for more information about the course?

Mrs D Fisher [dfi@johnport.derbyshire.sch.uk](mailto:dfi@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

This course can provide you with the spring board to study languages at university or to undertake a wide range of subjects plus a Modern Foreign Language. This often includes a year's study at a foreign university and provides students with an extra string to their bow, all the more necessary in competitive times. Potential employers look favourably on students who have studied a Modern Foreign Language as it shows intellectual capacity, determination and an open mind.

Here are some examples of careers in this area of interest:

- Business
- Government
- Law
- Research
- Science
- Engineering
- Leisure
- Transport
- Media

# GEOGRAPHY

## FACULTY OF SOCIAL SCIENCES

**Course Title:** Geography

**Qualification:** A Level

**Level:** 3

**Awarding Body:** Edexcel

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include a GCSE grade B (6) or above in Geography. If Geography is not taken at GCSE level, the minimum requirement would be a grade 5 in GCSE English. Mathematical skills and statistical analysis feature within the A-level course so a minimum GCSE grade 5 in Maths is strongly desirable.

### Brief Outline of the Course:

#### What will I learn on the course?

- **Y12** You will study two units - Dynamic Places and Dynamic Landscapes – with two sub-topics in each, including tectonic processes and hazards, coastal landscapes and change, globalisation and regenerating places.
- **Y13** You will study two units – Physical Systems and Sustainability and Human Systems and Geopolitics – with two sub-topics in each including The Water Cycle and Water Insecurity, The Carbon Cycle and Energy Security, Superpowers and Global Development and connections. You will also complete one independent research project on a subject area of your choice.

Each topic is underpinned by three synoptic themes that run throughout the entire course – **players** (the involvement of different stakeholders,) **attitudes and actions** of different stakeholders and **futures and uncertainties**.

It is compulsory for A-Level students to complete four days of fieldwork over the two-year course. This will be organised by the Geography department.

#### How will I be assessed?

By written examination in June of Y13:

- Paper 1 – Dynamic Landscapes and Physical Systems and Sustainability: 2 hours 15 minute exam – 30% of A-Level qualification
- Paper 2 – Dynamic Places and Global Development and Connections: 2 hours 15 minute exam – 30% of A-Level qualification
- Paper 3 – Synoptic Investigation: 2 hours 15 minute exam – 20% of A-Level qualification
- Coursework – Independent Investigation: 3000 – 4000 word report – 20% of qualification.

### Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)

## What could this qualification lead to?

The skills you develop from studying Geography are highly valued by employers. You will learn how to analyse, problem solve, make decisions and communicate, amongst a variety of other desirable skills. Geography opens up a wide range of careers in a multitude of different categories such as:

- The Business World e.g. accountancy, retail management.
- Society e.g. social work, teaching, advertising.
- Physical Systems e.g. Environment Agency, pollution analyst.
- Geographical Techniques e.g. GIS (geographical information system) management, flood risk management.
- Settlement e.g. planning officer, estate management.
- Travel and Tourism e.g. leisure centre management, tour guide.

The Royal Geographical Society highlights various career options:

**<http://www.rgs.org/OurWork/Study+Geography/Careers/Careers+with+geography.htm>**

<b>Course Title:</b>	<b>German</b>
<b>Qualification:</b>	<b>A Level 2 year linear course</b>
<b>Level:</b>	<b>3</b>
<b>Awarding Body:</b>	<b>AQA Specification code: 7662</b>

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE German at grade 6 or above.

## Brief Outline of the Course:

The topics and grammar build up from GCSE level. The topics are linked to countries where German is spoken and includes aspects of history, geography, the arts, business and social studies. There will be a grammar lesson every week, which will develop students' understanding of the language further, clarifying and developing points from the GCSE course.

Assessment:

3 exams in May/June 2020

- Paper 1: Listening, reading and writing (50% of A-level)
- Paper 2: Writing (20 % of A-level) based on the study of a film and a book
- Paper 3: Speaking (30% of A-level). The exam consists of two parts: a discussion based on a stimulus card (5–6 minutes) and a presentation and discussion (11-12 minutes) of an individual research project.

## Who can I contact for more information about the course?

Mrs E Bailey [eb@johnport.derbyshire.sch.uk](mailto:eb@johnport.derbyshire.sch.uk)

## What could this qualification lead to?

This course can provide you with the spring board to study languages at university or to undertake a wide range of subjects plus a Modern Foreign Language. This often includes a year's study at a foreign university and provides students with an extra string to their bow, all the more necessary in competitive times. Potential employers look favourably on students who have studied a Modern Foreign Language as it shows intellectual capacity, determination and an open mind.

Here are some examples of careers in this area of interest:

- Business
- Government
- Law
- Research
- Science
- Engineering
- Leisure
- Transport
- Media

# GOVERNMENT AND POLITICS

## FACULTY OF SOCIAL SCIENCES

**Course Title:** Government and Politics

**Qualification:** A level

**Level:** 3

**Awarding Body:** Edexcel

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. In addition to the general entry requirement for the Sixth Form, the minimum requirement for the course is a grade 6 in GCSE English Language.

### Brief Outline of the Course

In year 12, students will study the British political system and the ways in which people participate in a modern liberal democracy. The course will look at the major political parties and consider the key political actors over the last 30 years, Thatcher, Major, Blair, Brown, Cameron and May. Students will consider the role that pressure groups play in our political system by looking at what they do to achieve their aims. This will involve a consideration of a range of groups and tactics including PETA, Greenpeace, Anti-austerity groups. Students will explore the constitution, the power of the prime minister, parliament and judiciary and consider how they have developed over time.

In Year 13, students will explore the major political ideas including Socialism, Liberalism, Anarchism and Conservatism. Students will look at the major ideas that have shaped major world events and learn about the key theorists. They will look at politics in the USA in detail including the civil rights movement, the role of the president and the electoral system.

### Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [History & Politics]: Mr Galloway [dg@johnport.derbyshire.sch.uk](mailto:dg@johnport.derbyshire.sch.uk)
- Subject Teachers: Mr P Campbell [pcb@johnport.derbyshire.sch.uk](mailto:pcb@johnport.derbyshire.sch.uk)  
Miss M Coxon [mco@johnport.derbyshire.sch.uk](mailto:mco@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

Students can follow a number of career options including law, journalism, armed forces, civil service and political research.

# HEALTH & SOCIAL CARE [BTEC]

## FACULTY OF SOCIAL SCIENCES

**Course Title:** BTEC National Health and Social Care

**Qualification:** BTEC National

**Level:** 3

**Awarding Body:** Edexcel

### Specific Entry Requirements:

Average score of 38.5 points from the best 6 subjects plus a pass (minimum grade 4) in English Language and Maths.

### Brief Outline of the Course:

The BTEC Nationals in Health and Social Care provide much of the underpinning knowledge for the National Occupational Standards in Health and Social Care/Health and consequently act as a robust introduction to both sectors. They prepare students for employment in the sectors or for higher education.

They are also mapped to the NHS Knowledge and Skills Framework, which was developed as part of the “Agenda for Change” process for updating the way NHS staff roles are defined and developed.

Students will benefit from gaining a number of core units as well as a range of specialist units. The Edexcel Level 3 BTEC National Extended Diploma in Health and Social Care consists of **8 mandatory units plus an additional 5** specialist units.

10 units are assessed on an on-going basis through assignment work, with 3 units assessed by unseen examination.

The core units for the diploma are as follows:

- **Human Lifespan Development (unseen exam)**
- **Working in Health & Social Care (unseen exam)**
- **Anatomy & Physiology (unseen exam)**
- **Enquiries into current research in Health & Social Care**
- **Meeting individual care & support needs**
- **Work experience in Health & Social Care**
- **Principles of safe practice in Health & Social Care**
- **Promoting Public Health**

### Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [BTEC Health & Social Care]: Mrs J Helliwell [jeh@johnport.derbyshire.sch.uk](mailto:jeh@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

This course is ideally suited to students wishing to enter the health and care professions either directly after sixth form or at a graduate level.

# HISTORY

## FACULTY OF SOCIAL SCIENCES

**Course Title:** History

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE History at grade 6 or above. If History was not taken at GCSE level, the minimum requirement would be a grade 6 in GCSE English.

### Brief Outline of the Course:

#### Unit 1:

You will study significant historical developments in Tsarist and Communist Russia 1855-1964. You will investigate:

- autocratic rule in Russia under the rule of the Tsars.
- the reasons why autocracy collapsed in Russia in 1917, focusing on the revolutions and the establishment of Communist rule.
- the impact of key individuals including Lenin and Stalin.
- The rise and fall of Khrushchev.

#### Unit 2:

The British component of the course focuses on political, economic and social developments following the Second World War. You will focus on:

- the post-war boom and changing social attitudes in relation to class, gender, race and youth.
- the end of the post-war consensus in 1970 including the problems relating to Northern Ireland.
- the impact of Conservative rule under Margaret Thatcher and foreign policy including the conflict over the Falklands.
- the collapse of Thatcherism and the era of New Labour.

#### Unit 3:

You will carry out an independent historical investigation into the events surrounding the causes of the French Revolution.

### Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [History & Politics]: Mr Galloway [dg@johnport.derbyshire.sch.uk](mailto:dg@johnport.derbyshire.sch.uk)
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### What could this qualification lead to?

- Legal profession
- Journalism/Media
- Police
- Education
- Politics

The academic rigour of history means that the transferable skills that students develop are considered to be of great value in many careers and professions.

# MATHEMATICS

## FACULTY OF MATHEMATICS

<b>Course Title:</b>	<b>Mathematical Studies (Core Maths)</b>
<b>Qualification:</b>	<b>Level 3 Certificate Mathematical Studies</b>
<b>Level:</b>	<b>3</b>
<b>Awarding Body:</b>	<b>AQA</b>

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. GCSE Maths at grade 6 or above and an average score of 43 points from your best 8 subjects including English and Maths.

### Brief Outline of the Course (Taken from the AQA specification):

Mathematics is, inherently, a sequential subject. There is a progression of material through all levels at which the subject is studied. It is assumed that students will already have confidence and competence in the content presented in standard type within the GCSE Mathematics criteria. Students will make use of elements of this content when addressing problems within this Level 3 Certificate Mathematical Studies specification but this is not explicitly set out in subject content. This Level 3 Certificate Mathematical Studies specification aims to build on the knowledge, understanding and skills established in GCSE Mathematics.

	<b>Paper 1</b>	<b>Paper 2</b>
		One of the following routes dependent on other subject choices (please see Miss Smith or Miss George for more info): <ul style="list-style-type: none"> <li>• <b>2A: Statistical techniques</b></li> <li>• <b>2B: Critical path and risk analysis</b></li> <li>• <b>2C: Graphical techniques</b></li> </ul>
<b>Time</b>	Written exam: 1 hour 30 minutes	Written exam: 1 hour 30 minutes
<b>Marks</b>	60 marks	60 marks
<b>What's assessed:</b>	<ul style="list-style-type: none"> <li>• Analysis of data</li> <li>• Maths for personal finance</li> <li>• Estimation</li> </ul>	Students will be expected to draw on the mathematical content of Paper 1.  Students will be expected to develop and demonstrate confidence and competence in the understanding and application of mathematical modelling in the solution of problems related to (one of the following): <ul style="list-style-type: none"> <li>• <b>2A: The use of statistical techniques</b></li> <li>• <b>2B: Decision making and the planning of projects</b></li> <li>• <b>2C: Simple polynomial and exponential functions</b></li> </ul> <b>2A Statistical techniques:</b> <ul style="list-style-type: none"> <li>• Critical analysis of given data and models (including spreadsheets and tabular)</li> <li>• The normal distribution</li> <li>• Probabilities and estimation</li> <li>• Correlation and regression</li> </ul> <b>2B Critical path and risk analysis:</b>

		<ul style="list-style-type: none"> <li>• Critical analysis of given data and models (including spreadsheets and tabular)</li> <li>• Critical path and risk analysis</li> <li>• Expectation</li> <li>• Cost benefit analysis</li> </ul> <p><b>2C Graphical techniques:</b></p> <ul style="list-style-type: none"> <li>• Critical analysis of given data and models (including spreadsheets and tabular)</li> <li>• Graphical methods</li> <li>• Rates of change</li> <li>• Exponential functions</li> </ul>
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### Where can I obtain more information about the course?

Further details on the specification can be found on the AQA website:

<http://www.aqa.org.uk/subjects/mathematics/aqa-certificate/mathematical-studies-1350>

### Contacts in school:

- Director of Faculty [Maths]: Miss A Smith [als@johnport.derbyshire.sch.uk](mailto:als@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [KS5]: Miss K Eedy [kee@johnport.derbyshire.sch.uk](mailto:kee@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

There are many technical and vocational qualifications and careers that would benefit from additional Maths qualifications. There are also many degrees and subjects that Maths may be required for such as Sciences, Computer Science, Economics, Engineering, Geography, Psychology, Medicine, Accounting, Business Studies and Sociology, (some of these subjects may require A Level Maths so if in doubt check with the subject or a university).

Have a look at more careers at: <http://www.mathscareers.org.uk/>

# MATHEMATICS

## FACULTY OF MATHEMATICS

**Course Title:** Mathematics

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. GCSE Maths at grade 6 or above and an average score of 43 points from your best 6 subjects including English and Maths.

### Brief Outline of the Course (details taken from AQA's specification):

#### A level Maths assessment objectives:

Assessment objective	Weighting
AO1: Use and apply standard techniques	50%
AO2: Reason, interpret and communicate mathematically	25%
AO3: Solve problems within mathematics and in other contexts	25%

#### A level papers:

	Paper 1	Paper 2	Paper 3
<b>Time</b>	2 hours	2 hours	2 hours
<b>Marks</b>	100	100 (two sections of 50 marks)	100 (two sections of 50 marks)
<b>Content from</b>	Assesses the following content only: <ul style="list-style-type: none"> <li>• Proof</li> <li>• Algebra and functions</li> <li>• Coordinate geometry</li> <li>• Sequences and series</li> <li>• Trigonometry</li> <li>• Exponentials and logarithms</li> <li>• Differentiation</li> <li>• Integration</li> <li>• Numerical methods.</li> </ul>	May assess any content from paper 1. Will assess the following: <ul style="list-style-type: none"> <li>• Vectors</li> <li>• Quantities and units in mechanics</li> <li>• Kinematics</li> <li>• Forces and Newton's law</li> <li>• Moments.</li> </ul>	May assess any content from paper 1. Will assess the following: <ul style="list-style-type: none"> <li>• Statistical sampling</li> <li>• Data presentation and interpretation</li> <li>• Probability</li> <li>• Statistical distributions</li> <li>• Statistical hypothesis testing.</li> </ul>

## Where can I obtain more information about the course?

Further details on the specification can be found on the AQA website:

<http://www.aqa.org.uk/subjects/mathematics/as-and-a-level/mathematics-7357>

## Contacts in school:

- Director of Faculty [Maths]: Miss A Smith [als@johnport.derbyshire.sch.uk](mailto:als@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [KS5]: Mrs K Eedy [kee@johnport.derbyshire.sch.uk](mailto:kee@johnport.derbyshire.sch.uk)

## What could this qualification lead to?

Studying Maths to degree or higher level. Alternatively there are many other degrees and subjects that Maths may be required for such as Physics, Chemistry, Biology, Computer Science, Economics, Engineering, Geography, Psychology, Medicine, Accounting, Business Studies and Sociology.

Maths students are generally highly regarded by employers as they have been trained to think logically and tackle problems analytically with a numerate, committed approach. These are highly sought-after skills. Below are just some of the many careers you might go into:

- Mathematician
- Entrepreneur
- Medicine/Pharmacist
- Engineer
- Statistician
- Economist
- Actuary/insurance
- Accountant
- Computer Science
- Teacher
- Builder/construction
- Architect
- Vet
- Buyer (retail & manufacturing)
- Weather simulation
- Environmental modelling

Have a look at more careers at: <http://www.mathscareers.org.uk/>

# FURTHER MATHEMATICS FACULTY OF MATHEMATICS

**Course Title:** Further Mathematics

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

## Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. GCSE Maths at grade 7 or above and an average score of 43 points from your best 6 subjects plus English and Maths. **Students also need to have selected A Level Maths as an option.**

## Brief Outline of the Course (details taken from AQA's specification):

### A-level Further Maths assessment objectives:

Assessment objective	Weighting
AO1: Use and apply standard techniques	50%
AO2: Reason, interpret and communicate mathematically	At least 15%
AO3: Solve problems within mathematics and in other contexts	At least 15%

### A level Further Maths papers:

	Paper 1	Paper 2	Paper 3
			Choose one of the following routes (please see Miss Smith or Miss George for more info): <ul style="list-style-type: none"> <li>• <b>Discrete and Statistics</b></li> <li>• <b>Statistics and Mechanics</b></li> <li>• <b>Mechanics and Discrete.</b></li> </ul>
<b>Time</b>	2 hours	2 hours	2 hours
<b>Marks</b>	100	100	100 (two sections of 50 marks)
<b>Content from:</b>	<ul style="list-style-type: none"> <li>• Proof</li> <li>• Complex numbers</li> <li>• Matrices</li> <li>• Further algebra and functions</li> <li>• Further calculus</li> <li>• Further vectors</li> <li>• Polar coordinates</li> <li>• Hyperbolic functions</li> <li>• Differential equations</li> <li>• Trigonometry</li> <li>• Numerical methods</li> <li>• Coordinate geometry</li> </ul>	<ul style="list-style-type: none"> <li>• Proof</li> <li>• Complex numbers</li> <li>• Matrices</li> <li>• Further algebra and functions</li> <li>• Further calculus</li> <li>• Further vectors</li> <li>• Polar coordinates</li> <li>• Hyperbolic functions</li> <li>• Differential equations</li> <li>• Trigonometry</li> <li>• Numerical methods</li> <li>• Coordinate geometry</li> </ul>	<p><b>Mechanics:</b></p> <ul style="list-style-type: none"> <li>• Dimensional analysis</li> <li>• Momentum and collisions</li> <li>• Work, energy and power</li> <li>• Circular motion</li> </ul> <p><b>Statistics:</b></p> <ul style="list-style-type: none"> <li>• Discrete random variables</li> <li>• Poisson distribution</li> <li>• Type I and II errors and power of a test</li> <li>• Continuous random variables</li> <li>• Exponential distribution</li> <li>• Inference</li> </ul>

			<b>Discrete:</b> <ul style="list-style-type: none"> <li>• Graphs</li> <li>• Networks</li> <li>• Network Flow</li> <li>• Linear programming</li> <li>• Critical path analysis</li> <li>• Game theory for zero sum games</li> <li>• Binary operations and group theory</li> </ul>
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### Where can I obtain more information about the course?

Further details on the specification can be found on the AQA website:

<http://www.aqa.org.uk/subjects/mathematics/as-and-a-level/further-mathematics-7367>

### Contacts in school:

- Director of Faculty [Maths]: Miss A Smith [als@johnport.derbyshire.sch.uk](mailto:als@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [KS5]: Mrs K Eedy [kee@johnport.derbyshire.sch.uk](mailto:kee@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

A level Further Maths is a good choice for higher education in any Maths or Science based subject. Some leading (Russell group) institutions will require or look favourably on Further Maths as will all universities for courses with a large Mathematical content.

You will build mathematical skills such as a high level of logical thinking and problem solving ability. In addition you will develop the ability to process, interpret and analyse information. These are all attributes that will aid a variety of careers. A few examples of possible career paths include:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Mathematician</li> <li>• Entrepreneur</li> <li>• Medicine/Pharmacist</li> <li>• Engineer</li> <li>• Statistician</li> <li>• Economist</li> <li>• Actuary/insurance</li> <li>• Accountant</li> </ul> | <ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Teacher</li> <li>• Construction</li> <li>• Architect</li> <li>• Vet</li> <li>• Buyer (retail &amp; manufacturing)</li> <li>• Weather simulation</li> <li>• Environmental modelling</li> </ul> |
|--|--|

Have a look at more careers at: <http://www.mathscareers.org.uk/>

**Course Title:** Physics (AQA - 7407 7408)

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

- The general entry requirement for the Sixth Form applies.
- This should include minimum GCSE grade 6 in Science Trilogy or a GCSE grade 6 in Triple Physics
- The mathematical demands of the course are significant therefore a grade 6 in GCSE maths is also required.

### Brief Outline of the Course:

Physics is fundamentally an experimental subject. This specification provides numerous opportunities to use practical experiences to link theory to reality. There are 12 compulsory practicals for which you will gain an endorsement on your certificate; however, these do not influence the grade awarded. This is a two-year course. Internal assessment will be undertaken in year 12 to ensure ability to continue into the second section of the A level in year 13.

Below is a list of subject headings for the complete A Level course. To see what they entail in detail you should visit the AQA website. A slightly more shortened version of the course can be found on the school website under curriculum.

1. Measurements and their errors (short topic to initiate practical skills for later on)
2. Particles and radiation (cutting edge physics - leptons Gauge bosons quarks)
3. Waves (Standing waves, Diffraction gratings)
4. Mechanics and materials (Motion, Young's modulus - engineering applications)
5. Electricity (Ac/Dc theory, use of CRO)
6. Further mechanics and thermal physics (absolute zero, simple harmonic motion)
7. Fields and their consequences (capacitance aspects of planetary satellite motion included)
8. Turning points in physics (contains Special relativity - time dilation / length contraction)

### Who can I contact for more information about the course?

- Director of Faculty [Science]: Mrs C Cox [cco@johnport.derbyshire.sch.uk](mailto:cco@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Physics]: Mr B Swindell [bks@johnport.derbyshire.sch.uk](mailto:bks@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

A level Physics is a stepping-stone to a huge range of degrees of employments. From telecommunications, medicine and engineering through to Meteorology Astronomy and climate change to name but a few. The holder of an A Level Physics qualification demonstrates tenacity and determination to succeed, an ability to problem solve and understand difficult concepts, sound mathematical skills to any potential employer – regardless of the type of employment sought.

# DESIGN & TECHNOLOGY: PRODUCT DESIGN

## FACULTY OF TECHNOLOGIES

**Course Title:** Design and Technology: Product Design

**Qualification:** A Level

**Level:** 3

**Awarding Body:** OCR

### Specific Entry Requirements:

In addition to the general entry requirement for the Sixth Form, the minimum requirement for the A level course is a GCSE grade B (6) from a Design and Technology subject. Students to have also completed the transition project which will be integral to the first 4 weeks of the course.

### Brief Outline of the Course:

Learning about design and technology at A Level strengthens learners' critical thinking and problem solving skills within a creative environment, enabling them to develop and make prototypes/products that solve real world problems, considering their own and others' needs, wants, aspirations and values.

The course requires students to identify market needs and opportunities for new products, initiate and develop design solutions, and make and test prototypes/products. Learners should acquire subject knowledge in design and technology, including how a product can be developed through the stages of prototyping, realisation and commercial manufacture.

This qualification will excite and engage learners with contemporary topics covering the breadth of this dynamic and evolving subject. It will create empathetic learners who have the ability to confidently critique products, situations and society in every walk of their lives now and in the future.

Learners will build their skills in thinking and designing to support the requirements that they will need to demonstrate when progressing to higher education or industry.

The course consists of three units, of which two are externally examined and worth 50% of the final grade achieved.

The two examined units focus on the 'technical principles' within product design and an 'unseen challenge' that pupils have to respond to.

The none examined unit requires learners to undertake a substantial 'Iterative Design Project' to design, make and evaluate a product from a context of their own choice, creating a portfolio of evidence in real time to demonstrate their competence.

### Who can I contact for more information about the course?

- Director of Faculty [Technologies]: Mr B Croft [bc@johnport.derbyshire.sch.uk](mailto:bc@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Design]: Mr M Doherty [mdy@johnport.derbyshire.sch.uk](mailto:mdy@johnport.derbyshire.sch.uk)
- Subject Teachers: Mr D Barry [djb@johnport.derbyshire.sch.uk](mailto:djb@johnport.derbyshire.sch.uk)  
Mr J Green [jsg@johnport.derbyshire.sch.uk](mailto:jsg@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

- You can do a Design / Engineering related degree course, for example: architecture, graphics design, product design, automotive, furniture design, teaching etc. Accredited point score towards UCAS applications.

# PSYCHOLOGY

## FACULTY OF SOCIAL SCIENCES

**Course Title:** Psychology

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE English Language at grade 5 or above. Interest and confidence in maths and Biology is desirable.

### Brief Outline of the Course:

Psychology is defined as the scientific study of mental processes and behaviour. This course offers an engaging and effective introduction to psychology. Students will learn the key components of the subject and develop skills valued by Higher Education and employers, including critical analysis, independent thinking and research.

Students will explore the workings of human memory, social influence, including explanations for obedience and minority influence, the importance of early attachments in childhood and psychopathology.

In year 13, students will also explore causes and treatments of schizophrenia, addiction and different approaches to how gender is acquired.

Key approaches in psychology (including biological psychology) and research methods and statistics are studied over the two-year course, with an emphasis on the scientific method. Students will be required to conduct research and analyse data using different statistical tests.

### Who can I contact for more information about the course?

- Director of Faculty [Social Sciences]: Mr A Weightman [awt@johnport.derbyshire.sch.uk](mailto:awt@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Psychology]: Mrs J Helliwell [jeh@johnport.derbyshire.sch.uk](mailto:jeh@johnport.derbyshire.sch.uk)
- Psychology Teacher: Mr P Tutin [pt@johnport.derbyshire.sch.uk](mailto:pt@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

Many students who study A-level Psychology go on to have careers in the health service, the police force, education, counselling, the prison service etc. A Psychology degree can lead to careers in clinical psychology, child/educational psychology, teaching, occupational psychology.

**Course Title:** Level 3 extended certificate in Applied Science

**Qualification:** Extended certificate (Equivalent to 1 A Level)

**Level:** 3

**Awarding Body:** AQA

## Specific Entry Requirements:

Average score of 38.5 points from the best 6 subjects plus a pass (minimum grade 5) in English and Maths.

## Brief Outline of the Course:

The topics you will cover will have three main themes:

- Scientific principles associated with the application of biology, chemistry and physics
- Experimental and practical techniques associated with applied science
- The roles and skills of scientists, and the public and media perception of science

### Year 1

- 1 Key concepts in science (Written exam)
- 2 Applied experimental techniques (Portfolio)
- 3 Science in the modern world (Written exam with pre-release material)

### Year 2

4. The human body (Written exam)
5. Investigating science (Portfolio)
6. Optional unit (Portfolio)

## Who can I contact for more information about the course?

- Director of Faculty [Science]: Mrs C Cox [cco@johnport.derbyshire.sch.uk](mailto:cco@johnport.derbyshire.sch.uk)

## What could this qualification lead to?

This qualification could prepare you to take up employment in the applied science sector, either directly after achieving the qualification or via higher education.

This qualification is supported by a range of universities, and taken alongside other qualifications it can fulfil the entry requirements for a number of science-related higher education courses, including biomedical, forensic and sports science, as well as nursing.

Studying this qualification will enable you to develop your knowledge and understanding of scientific principles, as well as those scientific practical skills recognised by higher education institutions and employers to be most important. The qualification also offers you an opportunity to develop transferable skills such as problem-solving, research and communication as part of your applied learning.

# SOCIOLOGY

## FACULTY OF SOCIAL SCIENCES

**Course Title:** Sociology

**Qualification:** A Level

**Level:** 3

**Awarding Body:** OCR

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. In addition to the general entry requirement for the Sixth Form, the minimum requirement for the course is a GCSE grade B in Sociology. If Sociology is not taken at GCSE level, the minimum requirement is a grade 5 in GCSE English language.

### Brief Outline of the Course:

The A-Level Sociology specification provides students with the exciting opportunity to gain a deeper understanding of the world around them and reflect on social issues that are often relevant to their own social experiences. They open up the possibility for fascinating discussions, for example:

- What impact do digital forms of communication have on social relations?
- How do sociologists investigate inequality in society?
- What are the patterns and trends of religion in relation to social class?

Through the specifications, students can acquire knowledge and a critical understanding of contemporary social processes and social changes. They have the opportunity to develop a broad set of key desirable skills, including the ability to analyse and formulate clear, logical arguments with scope for extensive evaluation from a range of theoretical perspectives.

### Who can I contact for more information about the course?

- |  |  |
|--|--|
| ▪ Director of Faculty [Social Sciences]:       | Mr A Weightman <a href="mailto:awt@johnport.derbyshire.sch.uk">awt@johnport.derbyshire.sch.uk</a>  |
| ▪ Director of Teaching & Learning [Sociology]: | Mrs J Helliwell <a href="mailto:jeh@johnport.derbyshire.sch.uk">jeh@johnport.derbyshire.sch.uk</a> |
| ▪ Sociology teacher:                           | Miss M Coxon <a href="mailto:mco@johnport.derbyshire.sch.uk">mco@johnport.derbyshire.sch.uk</a>    |

### What could this qualification lead to?

Students can follow a number of career options including social work, the police, law, education, civil service and social research.

<b>Course Title:</b>	<b>Spanish</b>
<b>Qualification:</b>	<b>A Level</b>
<b>Level:</b>	<b>3</b>
<b>Awarding Body:</b>	<b>AQA</b> <b>Specification code: 7692</b>

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE Spanish at grade 6 or above.

### Brief Outline of the Course:

The topics and grammar build up from GCSE level. The topics are linked to countries where Spanish is spoken and includes aspects of history, geography, the arts, business and social studies. There will be a grammar lesson every week, which will develop students' understanding of the language further, clarifying and developing points from the GCSE course.

Assessment:

3 exams in May/June 2020

- Paper 1: Listening, reading and writing (50% of A-level)
- Paper 2: Writing (20 % of A-level) based on the study of a film and a book
- Paper 3: Speaking (30% of A-level). The exam consists of two parts: a discussion based on a stimulus card (5–6 minutes) and a presentation and discussion (11-12 minutes) of an individual research project.

### Who can I contact for more information about the course?

Miss Clements [amc@johnport.derbyshire.sch.uk](mailto:amc@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

This course can provide you with the springboard to study languages at university or to undertake a wide range of subjects plus a Modern Foreign Language. This often includes a year's study at a foreign university and provides students with an extra string to their bow, all the more necessary in competitive times. Potential employers look favourably on students who have studied a Modern Foreign Language as it shows intellectual capacity, determination and an open mind.

Here are some examples of careers in this area of interest:

- Business
- Government
- Law
- Research
- Science
- Engineering
- Leisure
- Transport
- Media

# TEXTILES

## FACULTY OF PERFORMANCE

**Course Title:** Textiles

**Qualification:** A Level

**Level:** 3

**Awarding Body:** AQA

### Specific Entry Requirements:

The general entry requirement for the Sixth Form applies. This should include GCSE in Textiles or an Art based subject at grade 5 or above.

### Brief Outline of the Course:

Designed to encourage an individual creative response through personal expression of ideas and feelings, the Textile Design course is approached from an Art based perspective. Students will be introduced to a variety of experiences exploring a range of textile media, techniques and processes. Students will work in one or more areas of Textile Design, which can include fashion, printed and/or dyed fabric and materials, domestic textiles and wallpaper, interior design, constructed textiles and, textile installation. Drawing will be explored using a variety of methods and media on a variety of scales, using sketchbooks/workbooks/journals to underpin work where appropriate and showing an understanding of the four assessment objectives.

### There are 2 Components in A Level.

- Component 1: You develop work based on an idea, issue, concept or theme leading to a finished outcome. Practical elements should make connections with some aspect of contemporary or past practice of artist(s), designer(s), photographers or craftspeople and include written work of no less than 1000 and no more than 3000 words which supports the practical work.
- Component 2: You respond to a stimulus, provided by AQA, to produce work which provides evidence of your ability to work independently within specified time constraints, developing a personal and meaningful response which addresses all the assessment objectives and leads to a finished outcome or a series of related finished outcomes

### Who can I contact for more information about the course?

- Director of Faculty [Performance]: Mr A Mara [am@johnport.derbyshire.sch.uk](mailto:am@johnport.derbyshire.sch.uk)
- Director of Teaching & Learning [Art and Design]: Mrs H Udall [hu@johnport.derbyshire.sch.uk](mailto:hu@johnport.derbyshire.sch.uk)

### What could this qualification lead to?

Here are some examples of careers in this area of interest:

- Theatre Costume Designer
- Fashion/Clothing Designer
- Footwear Designer
- Tailor/Dressmaker
- Textile Designer





# John Port School

An Academy Trust

**Headteacher: Mrs K Squire NPQH BSc (Hons)**

**Director of Sixth Form/Assistant Headteacher: Mr G Allt**

Etwall, Derby, DE65 6LU

Telephone: 01283 734111

Email: [sixthform@johnport.derbyshire.sch.uk](mailto:sixthform@johnport.derbyshire.sch.uk) Website: [www.johnport.derbyshire.sch.uk](http://www.johnport.derbyshire.sch.uk)