

# QUICK GUIDE TO A LEVELS

2021/22



**Stamford**  
College

# WELCOME

Introduction from **Janet Meenaghan**  
**Principal of Stamford College**



Our aim is to give every young person the opportunities to achieve to the best of their abilities, so they can progress to further study with us, to find employment or an apprenticeship, or progress to higher education.

We are committed to ensuring our students get the best education possible and will do everything we can to help you achieve your goals.

We look forward to a successful partnership, working with you to ensure your success.

*J. Meenaghan*

# CONTENTS

<b>A Level Courses</b> .....	4
<b>Why Study With Us?</b> .....	6
<b>Choosing The Right A Levels</b> .....	8
<b>Aim Higher Programme</b> .....	9
<b>Work Experience</b> .....	10
<b>Career Ideas</b> .....	11
<b>A Level Biology</b> .....	12
<b>A Level Business</b> .....	14
<b>A Level Chemistry</b> .....	16
<b>A Level English Language &amp; Literature</b> .....	18
<b>A Level Geography</b> .....	20
<b>A Level History</b> .....	22
<b>A Level Student Success Stories</b> .....	23
<b>A Level Law</b> .....	24
<b>A Level Maths</b> .....	26
<b>A Level Further Maths</b> .....	28
<b>A Level Media</b> .....	30
<b>A Level Physics</b> .....	32
<b>A Level Politics</b> .....	34
<b>A Level Psychology</b> .....	36
<b>A Level Sociology</b> .....	38
<b>Extended Project Qualification (EPQ)</b> .....	40
<b>A Level Student Success Stories</b> .....	41
<b>What We've Been Up To</b> .....	42
<b>UCAS &amp; University</b> .....	43

# COURSES

Year on year, students completing their A Levels at Stamford College achieve some of the best grades nationally and the College prides itself on their experience in developing students' independence and self-directed study skills.



Over the last few months with students learning remotely, self-directed study skills have become a vital component in ensuring students continue to learn, complete their coursework and get the grades they deserve.



“Through effective teaching and assessment, staff encourage learners to develop good independent-study and critical-thinking skills that enable them to reflect upon and improve their own work. These skills prepare them well for study at a higher level.”

**OFSTED**



**A Level**  
**BIOLOGY**

**A Level**  
**CHEMISTRY**

**A Level**  
**ENGLISH LANGUAGE & LITERATURE**

**A Level**  
**GEOGRAPHY**

**A Level**  
**HISTORY**

**A Level**  
**LAW**

**A Level**  
**MATHS**

**A Level**  
**FURTHER MATHS**

**A Level**  
**MEDIA**

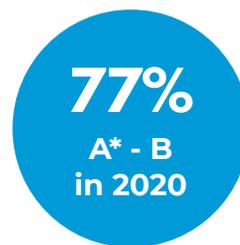
**A Level**  
**PHYSICS**

**A Level**  
**POLITICS**

**A Level**  
**PSYCHOLOGY**

**A Level**  
**SOCIOLOGY**

**EPQ (EXTENDED PROJECT QUALIFICATION)**



# WHY STUDY WITH US?

## EXCELLENT RESULTS



100% pass rate in 19 subjects and some of the highest A Level results nationally.

## COLLEGE EXPERIENCE



Experiences outside of the classroom to build your social skills and independence so you're ready for university or employment.

## AIM HIGHER PROGRAMME



Including Extended Project Qualification and The Duke of Edinburgh's Award.

## SMALLER CLASS SIZES



Smaller class sizes mean more support from our specialist tutors.

## EXCEPTIONAL FACILITIES



You'll have access to a range of newly refurbished facilities including a dedicated Sixth Form centre, a spacious library and comfortable spaces to study and socialise with your friends.

## MATURE ENVIRONMENT



We treat our students like adults.

## DEDICATED REVISION PROGRAMMES



Our revision programmes run throughout the year including through the exam period.

## OUTSTANDING TEACHING



Our teachers are also examiners, and have national recognition, you can be assured our teaching standards are outstanding.

# CHOOSING THE RIGHT A LEVELS

When choosing your A Level subjects, you need to ask yourself some difficult questions, but we are here to help!

## What subjects do you enjoy the most?

This is the most important question. We want you to be happy during your 2 years at Stamford College.

## What do you want to do after A Levels?

If you want to go to university, you may need to do some research to find out which subjects are needed for the course you want to study. Some universities require you to study at least the facilitating subjects. To check, visit [www.informedchoices.ac.uk](http://www.informedchoices.ac.uk)

## What career path are you interested in following?

If you have some idea of what you want to do in the future, it may be useful to find out which A Level subjects you need to be studying. You can contact professional organisations to find out which qualifications they require.

## Do you prefer coursework, or are you better at exams?

Some subjects have a 20% practical coursework component, while the majority are all exam-based. If you are good at organising your own time, coursework-based subjects will work well for you; if not, it might be better to avoid these subjects.

## Which subjects go well together?

It might seem fun to do biology, history and media but what kind of career would require this mix of knowledge and skills? Some subjects complement each other, maths and physics, for example, or English and politics. So think carefully about the mix of subjects you choose.

## How many subjects should I choose?

You will study three A Level subjects, plus tutorial and career development sessions. Each subject has 6 hours per week class time, with approximately 4 hours of independent study. You will be taught by lecturers with lots of experience and your own personal tutor will help you develop the independence and skill you need for the next step in your career.

## Linear subjects

A Level subjects are now linear meaning that your final exams will be undertaken at the end of your second year. In order to progress to Year 2 you will need to achieve a D grade or above in the end of Year 1 exams.

## What if I do not meet the entry requirements?

You may be considered for A Level study if you do not meet the requirements. You would need to come in for an interview and discuss this with us.

# AIM HIGHER PROGRAMME

Here at Stamford College we are proud to be able to support students who want to get into the best universities or take up challenging careers. We recognise A Level study is important and demands focus, hard work and determination, but universities and employers are looking for more than just academic performance in A Level subjects.

As part of our Aim Higher Programme, students can access the following support:

- Preparation sessions for university entrance exams, including: Biomedical Admissions Test (BMAT), UK Clinical Aptitude Test (UKCAT), Sixth Term Examination Papers (STEP) for mathematics, The National Admissions Test for Law (LNAT) and Natural Science Admissions Assessment (NSAA)
  - Mock interviews, including for Oxford and Cambridge applicants as well as job applications
  - The opportunity to develop the research, analysis, presentations and evaluation skills needed for university study and by employers by researching a topic of your choice through the Extended Project Qualification (EPQ)
  - The opportunity for chemists to enter the Cambridge Chemistry Challenge
  - Masterclasses at local universities
  - Subject specific conferences
  - Volunteering opportunities
  - Involvement in community projects and/or work experience
  - Participation in The Duke of Edinburgh's Award scheme
- A busy Debating Society that regularly enters the English Speaking Union's competitions
  - A guest speaker programme designed to motivate and open your mind to different possibilities
  - Regular one-to-one academic tutorials to explore the best university and career opportunities for you!

Plus support with:

- Specialist Medicine, Veterinary and Dentistry university applications
- University Summer School applications.



**DE** THE DUKE OF EDINBURGH'S AWARD

# WORK EXPERIENCE

All students attending College will undertake a form of employer engagement that falls into one of the following categories;

**External** Usually a block week of 35 hours where you source your own placements.

Should you attend a placement with children or vulnerable adults a DBS may be required, this must be applied for via the College at a cost of £53.50.

**Internal** Where you undertake internal placements within relevant areas of the College. Internal placements are reserved for students with specific requirements.



**Seb Sadler**  
**Work Placement:**  
**House of Commons**

Seb was able to sit in on Parliamentary debates in the House of Commons, House of Lords, Westminster Hall and committees providing him with valuable political and real world experience.

## SOCIAL ACTION: PLASTICS PROJECT

Following an 'Apprentice' style social action project on plastics, A Level students showed their support against plastic pollution with a grand scale litter pick at Skegness beach.

Marilyn Kennedy, Head of A Levels, said, "We want to crack down on single use plastics and the students have been working on proposals to cut down on their use, both in College and at home."

The project enabled them to develop team building, presentation and project management skills as well as kick-starting a review of College policies on sustainability and practical community work.



# CAREER IDEAS

Set out on your path to a career in...

## BUSINESS

- Human Resource Manager
- General Manager
- Product Manager
- Strategic Planner
- Operations Manager
- Estate Manager

## MEDIA

- Marketing Assistant
- Advertising Assistant
- Broadcast Journalist
- Editorial Assistant
- Event Organiser
- Information Officer
- Magazine Journalist
- Market Researcher
- Writer
- Online Blogger
- Public Relations Assistant

## HUMANITIES

- Counseling
- Teaching
- Conservation Officer
- Lawyer
- Legal Executive
- Barrister
- HR Officer
- Social Work
- Forensic Psychologist
- Occupational Therapist,
- Clinical Psychologis
- Nurse

## MATHS

- Engineer
- Mechanical Engineer
- Accountant
- Business Executive
- Teacher

## SCIENCES

- Registered Nurse
- Paramedic
- Chiropractor
- Toxicologist
- Microbiologist
- Cytotechnologist
- Dental Hygienist
- Zoologist
- Occupational Therapist
- Haematologist
- Epidemiologist
- Agriscientist
- Food Science Technician
- Audiologist
- Biomedical Engineer
- Cardiovascular Technologist
- Paramedic
- Pharmaceutical Scientist
- Chemical Technician
- Chemistry Teacher
- Pharmacologist
- Food Scientist
- Cosmetic Chemist
- Satellite Imager
- Analytical Chemist
- Polymer Chemist
- Biochemist

...plus so much more! Book an appointment with our Careers team for more ideas and advice!

# A Level BIOLOGY

20% 80%

PRACTICAL VS THEORY

Course Code: **ALBIOAP**  
Duration: **2 Years Full-Time**

**Gain practical and written scientific skills to make connections with all living things around you. Biology literally means the study of life and if that's not important, what is? Studying this broad subject will allow you to discover your area of interest and open the door to a fantastic range of interesting careers.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grade 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For biology you will also need grades 6/6/B/B in combined science or grades 6/B in biology plus 6/B in chemistry or physics.

## What does the programme include

You will undertake 12 core practical units including; using microscopes to see cell division, dissection of animals or plant systems, aseptic technique to study microbial growth, investigating activity in cells and investigating animal behaviour. You will study in a variety of ways including worksheets, quizzes, research, practice exam questions, practicals, skills assessments, lab books, extended reading, group work and independent study.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5

weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support. In addition, you will be required to undertake a minimum of 12 assessed practicals and write up all supporting information in a lab book.

## Course content

You will study the following units:

- Biological molecules
- Cells
- How organisms exchange substances with their environment
- Genetic information, variation and relationships between organisms
- Energy transfers in and between organisms
- How organisms respond to changes in their internal and external environments



- Genetics, populations, evolution and ecosystems
- The control of gene expression

## Potential future careers

Example job roles:

- Doctor
- Clinical Molecular Geneticist
- Nature Conservation Officer
- Pharmacologist
- Physiotherapist
- Nurse
- Research Scientist
- Vet
- Secondary School Teacher
- Marine Biologist
- Dentist.

Progress to degrees in:

Biology, Psychology, Sport and Exercise Science, Medicine, Anatomy, Physiology, Pathology, Biochemistry, Biomedicine, Pharmacology, Toxicology, Pharmacy, Chemistry.

## Additional information

It is recommended that you check the entry requirements for the degree courses/career paths you are considering. It is common to need A Level chemistry and/or maths alongside biology. You will be expected to attend maths for biologists sessions once per week if you do not take maths. A lab coat and safety glasses are required for this course, these can be purchased from the College and will cost approximately £15 or you can use the ones we have. You will also need a scientific calculator.



# A Level BUSINESS

0% **PRACTICAL VS THEORY** 100%

Course Code: **ALBUSAP**  
Duration: **2 Years Full-Time**

Gain an introduction to key business areas such as marketing, operations, finance, human resources and management with a special focus on decision-making. You will learn essential managerial skills alongside techniques to help you become an analytical problem solver through the investigation of the strategic decisions that all businesses have to make.

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For business you will also need grades 6/B or above in two humanities subjects.

## What does the programme include

You will learn through the investigation of contemporary case studies, presentations, group work and research projects. Throughout the year you will benefit from meeting professionals from the business industry and take part in various visits to provide you with valuable insight into the sector. You will also be encouraged to take part in work experience as part of your course to give real experience within the business environment.

## How The Course Will Be Assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to

the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision, and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- What is business?
- Managers, leadership and decision-making
- Marketing
- Operations
- Finance
- Human Resources
- Strategic methods, direction and positioning of a business
- Managing strategic change

## Potential future careers

- Example job roles:
- Management Trainee
  - Events Manager



- Lawyer
- Entrepreneur
- Marketing Assistant
- Advertising Assistant
- Human Resources Assistant.

Studying further:  
Progress to a HND in Business at University Centre Peterborough or other business degrees at university in areas such as:

- Management
- Marketing
- HR
- Finance

Business apprenticeships in sectors such as Accounting, Business Administration, Customer Service and Management are also available.

## Additional information

It is important to be aware of what is happening in the news that affects business as it is a dynamic subject. There is a mathematical element to the subject but with a grade 6/B in maths you should have no problems with this.



# A Level CHEMISTRY

20% **80%**  
PRACTICAL VS THEORY

Course Code: **ALCHEAP**  
Duration: **2 Years Full-Time**

Gain an understanding of underlying chemical concepts through practical techniques and calculations that develop your analysis and practical scientific skills. Chemistry attempts to answer the big question; what is everything made from?

Not only does chemistry help us to make sense of the world around us, but chemistry also touches upon the main social, ethical and cultural issues affecting our lives today. From archaeology to other plants' atmospheres, and the effect of drugs to the colour of precious stones, chemistry helps us to understand and enables us to make life better and more interesting. From a knowledge of chemistry, we can prevent and cure disease, develop new materials and explore space. Chemistry is all around us.

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For chemistry you will also need grades 6/6/B/B in combined science or 6/B in chemistry, plus 6/B in biology or physics.

## What does the programme include

You will study 12 core practical units involving inorganic and organic chemistry including: period 3 elements and their oxides, transition metals and reactions of ions in aqueous solutions.

Organic chemistry practicals include: optical isomerism, aldehydes and ketones, aromatic chemistry, amines, polymers, amino acids and proteins, DNA, organic synthesis and chromatography.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

In addition, you will be required to undertake a minimum of 12 assessed practicals and write up all supporting information in a lab book.



## Course content

You will study the following units:

- Atomic Structure
- Bonding
- Energetics and Kinetics
- Chemical Equilibria
- Thermodynamics
- Alkanes and Halogenoalkanes
- Alcohols
- Organic Analysis
- Electrode Potentials and Electrochemical Cells
- Biochemistry and Spectroscopy

## Potential future careers

Example job roles:

- Analytical Chemist
- Chemical Engineer
- Clinical Biologist
- Pharmacologist
- Doctor
- Toxicologist
- Environmental Consultant
- Science Writer
- Secondary School Teacher

Progress to degrees in:

- Chemistry
- Biochemistry
- Pre-clinical Medicine
- Mathematics
- Pharmacology

## Additional information

It is recommended that you consider taking mathematics to help you with your studies in A Level Chemistry. You will be expected to attend Maths for Scientists sessions once per week if you do not take maths. A lab coat and safety glasses are required for this course, these can be purchased from the College and will cost approximately £15 or you can use the ones we have. You will also need a scientific calculator.



# A Level ENGLISH LANGUAGE & LITERATURE

20% 80%

PRACTICAL VS THEORY

Course Code: **ALENGAP**  
Duration: **2 Years Full-Time**

Engage creatively with a wide range of texts and develop transferable, analytical skills as producers and interpreters of written language. This combined A Level is designed to give you an in-depth understanding of writing and linguistics through the study of anthology, two plays and one novel.

You will also undertake a wider reading programme to prepare for your coursework in the second year. Your responses to texts will cover creative writing and analytical essays.

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For English you will also need a grade 6/B or above in English Literature or English Language, or a 6/B in another humanities subject.

## What does the programme include

You will have the opportunity to explore your own interests through investigative coursework based on extracts of your own choice. You will also complete group work, presentations, quizzes, discussions, debates and role play.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support. In year 2 you will undertake coursework for this subject.



## Course content

You will study the following units:

- Literature and Linguistic Analysis
- Creative Writing
- Linguistic Terminology
- Develop Linguistic and Analytical Skills

Study of 5 set texts including:

- Non-fictional Anthology
- The Great Gatsby
- Shakespeare's Othello
- A Streetcar Named Desire

## Potential future careers

Example job roles:

- Publisher
- Journalist
- Teacher
- Communication Executive
- Public Relations Consultant

Progress to degrees in:

- English Language or Literature

- Teaching
- Journalism

## Additional information

You will be required to undertake extended reading to support your study of English and this will inform your coursework and exam answers.



# A Level GEOGRAPHY

20% **80%**  
PRACTICAL VS THEORY

Course Code: **ALGEOAP**  
Duration: **2 Years Full-Time**

**Develop your knowledge of locations, places, processes and environments locally and globally. You will learn about the complexity of people, environment interactions and understand some of the key issues facing the world today, such as climate change and migration.**

**You will also develop quantitative and qualitative skills including observing, collecting and analysing geo-located data apply to fieldwork and research.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For geography you will also need a grade 5/C or above in science.

## What does the programme include

You will develop your research skills by taking part in fieldwork. You will complete an individual field investigation as part of this course exploring your chosen topic.

In class you will investigate case studies and explore the formation of and effects of glaciation.

There will be practical activities to support your understanding of landscape formation as well as discussions about human geography, data gathering and investigation of social deprivation issues in the locality. There is also a course work

requirement which you will begin work on at the end of Year 1.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support. There will also be assessed coursework.

## Course content

You will study the following units:

- Water and Carbon Cycles



- Landscape Systems (including the study of drylands, coastal and glacial landscapes)
- Changing places and the connections between people, the economy, society and the environment
- Global Systems
- Global Governance

## Potential future careers

Example job roles in:

- Teaching
- Environmental Health
- Water Management Officer
- Town Planner
- Conservation Officer.

Progress to degrees in:

- Environmental Planning
- Business
- Social Services
- Teaching

## Additional information

You will have the opportunity to take part in a number of field trips throughout the year and will also be required to take part in a 4 night field trip and a number of field visits to help with your research development.



# A Level HISTORY

20% 80%  
PRACTICAL VS THEORY

Course Code: **ALHISAP**  
Duration: **2 Years Full-Time**

**Investigate key periods in modern history and develop your passion for the past. Explore topics such as 20th century American History, British History and The Cold War.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For history you will also need a grade 6/B or above in history.

## What does the programme include

You will work with primary sources in all units of this A Level to develop your skills as a conscientious Historian. Visits to the Houses of Parliament, Churchill War Rooms and Victorian Workhouses will develop your understanding of the past through real experiences.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- British History 1918-1990
- The Thatcher Years
- American History 1918-1955
- American Society and The Economic Boom
- The Jazz Age
- The Civil Rights Movement
- Causes of The Cold War
- Poverty, Public Health and the State 1780-1939

## Potential future careers

Example job roles:

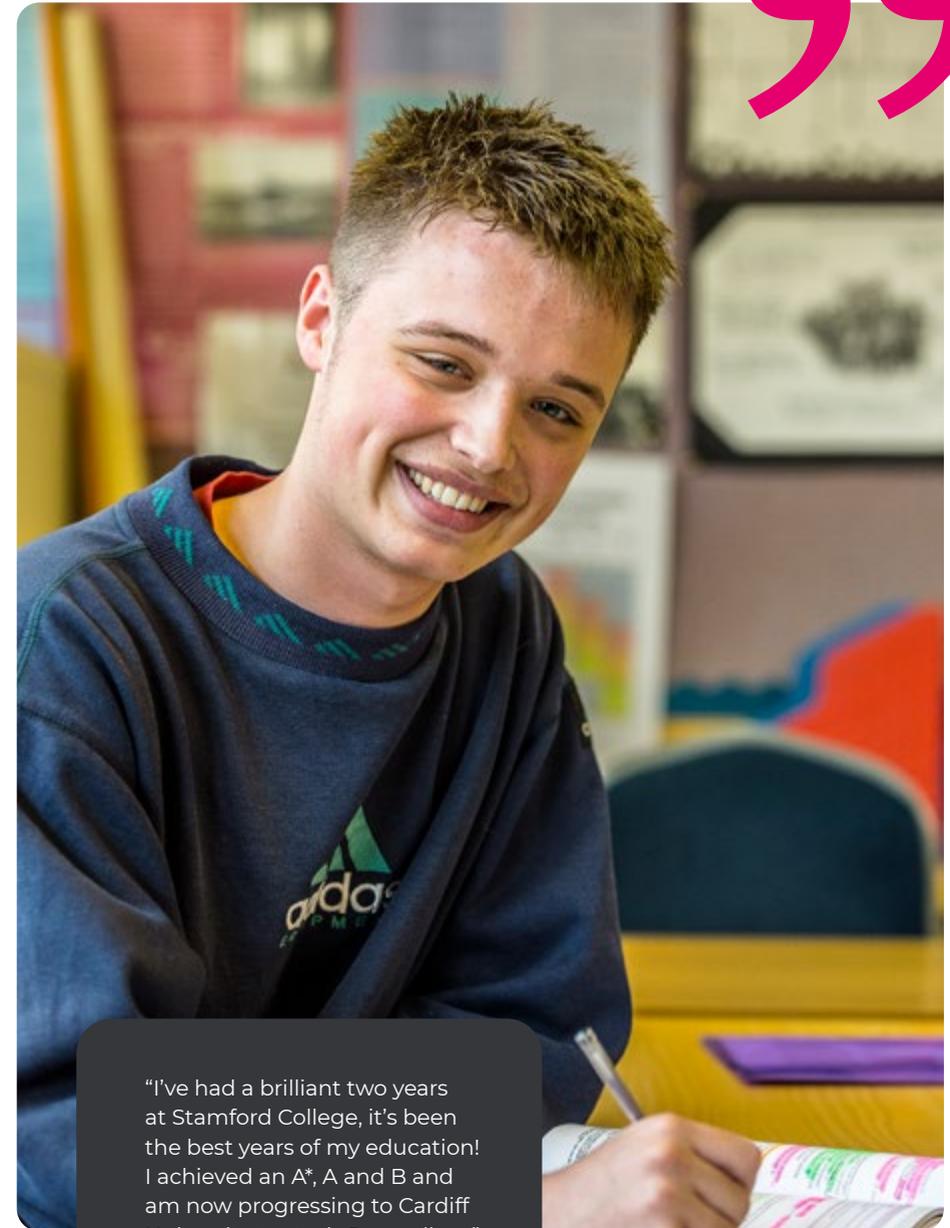
- Teacher
- Lawyer
- Journalist
- Historian

Progress to degrees in:

- History
- Teaching
- Law
- Business.

## Additional information

You will be able to take part in visits to supplement your understanding.



"I've had a brilliant two years at Stamford College, it's been the best years of my education! I achieved an A\*, A and B and am now progressing to Cardiff University to study Journalism."

**Seb Sadler**

# A Level LAW

0% 100%

**PRACTICAL VS THEORY**

Course Code: **ALLAWAP**  
Duration: **2 Years Full-Time**

**Develop your analytical, problem solving and critical thinking skills through the study of legal rules and the structure and operation of the English legal system. You will also gain an understanding of legal methods and reasoning for you to progress on to university or pursue a wide range of careers.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For law you will also need a grade 6/B or above in English literature or English language, plus a grade 6/B in another humanity, plus a grade 6/B in one other subject.

## What does the programme include

You will be provided with module booklets to complete in class and in your own time. You will complete case studies, undertake research, look at contemporary legal issues in the news, complete practice exam questions and examinations. You will take part in a mock trial to provide you with an insight into the legal sector. Throughout the year you will be introduced to guest speakers from the law industry and take part in visits to local courts.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 or 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- Law making and the legal system
- Criminal law and tort Liability
- Human rights
- Contract law
- Concepts of law



## Potential future careers

Example job roles:

- Lawyer,
- Legal Executive
- Barrister
- HR Officer
- Health and Safety Officer

Progress to degrees in:

- Criminal Justice
- Human Rights Law
- Criminology
- Sociology
- Apprenticeships are also available in Law and Business.

## Additional information

You will study 3 A Level subjects, plus tutorials and career development sessions. Each subject has 6 hours per week contact time, with approximately 4 hours of independent study.



# A Level MATHS

0% 100%

PRACTICAL VS THEORY

Course Code: **ALMATAP**  
Duration: **2 Years Full-Time**

Enhance your mathematical knowledge and problem solving skills through challenging and interesting topics such as algebra and trigonometry. You will explore new topics such as calculus, circle theory, binomial expansions and how objects respond to the forces acting upon them.

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at Grade 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For maths you will also need grades 6/6/B/B or above in double award science, or a grade 6/B in a single science and maths.

## What does the programme include

You will work on solving problems and will complete regular mock exams for each topic.

You will study in a variety of ways. These will include: in-class activities, worksheets, practice exam questions, tests, group work and independent study.

You will be provided with topic booklets which you will be expected to complete both in and outside of class. We also organise industry visits that are relevant to your subjects and where possible, subject specific conferences.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two.

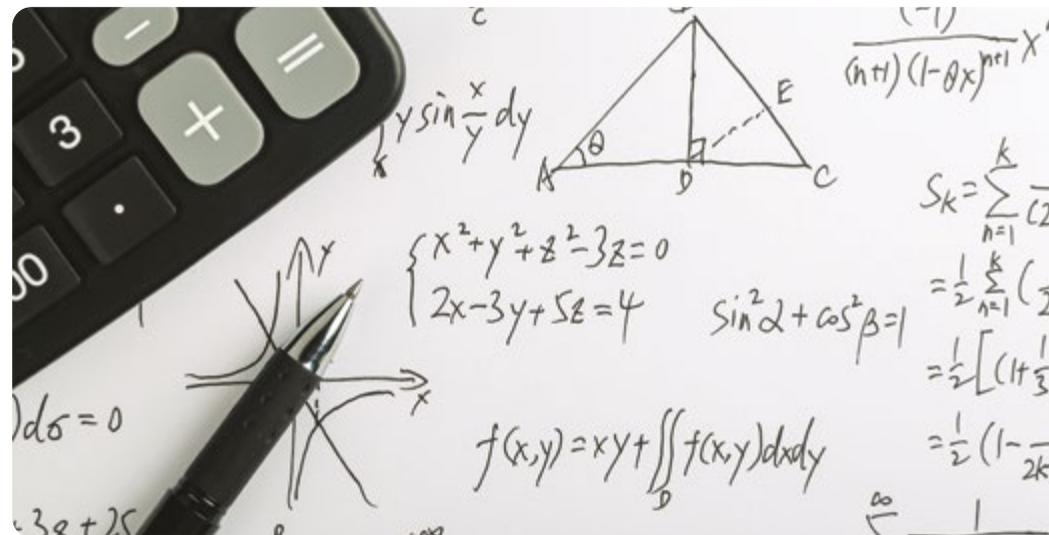
During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- Algebra
- Trigonometry
- Calculus
- Differentiation and integration
- Circle theorem



- Geometric series and trigonometric identities
- Statistics
- Numerical methods
- Logarithms
- Binomial expansions
- 3D vectors
- Mechanics

## Potential future careers

Example job roles:

- Engineer
- Mechanical Engineer
- Accountant
- Business Executive
- Teacher

Progress to degrees in:

- Accounting
- Finance
- Engineering
- Economics
- Mathematics.

## Additional information

Maths is an important subject for many careers and a requirement that sits alongside other subjects for study at a higher level for example, computing, physics, sciences and medicine.



# A Level FURTHER MATHS

0% 100%  
**PRACTICAL VS THEORY**

Course Code: **ALFMAAP**  
Duration: **2 Years Full-Time**

If you want to develop your mathematical ability, this course extends your knowledge of topics studied in mathematics. It is also a preferred subject for those wishing to progress to degrees in mathematics, physics and engineering.

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grade 5/C or above as a minimum for humanities subjects, and 6/B in maths for all subjects.

For further maths you will also need grades 6/6/B/B in double science, or a grade 6/B in a single science and a grade 7/A in maths.

## What does the programme include

You will study in a variety of ways. These include: in-class activities, worksheets, practice exam questions, tests, group work and independent study.

You will be provided with topic booklets which you will be expected to complete both in and outside of class. We also organise industry visits that are relevant to your subjects and, where possible, subject specific conferences.

## How the course will be assessed

This is a linear subject which means it

is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- 2x2 matrices
- Summation
- Proof of series
- Complex numbers and parabolas
- 1st and 2nd differential equations
- Further complex numbers
- Modulus of graphical functions



- Approximations using Taylor's and Maclaurin's Series
- Projectile motion
- Centre of gravity
- Momentum
- Energy and moments

## Potential future careers

Example job roles:  
Engineer, Mechanical Engineer,  
Accountant, Business Executive.

Progress to degrees in:  
Accounting, Finance, Engineering,  
Economics, Mathematics.

## Additional information

You can only study A Level Further Maths if you are studying A Level Maths.



# A Level MEDIA

20% 80%  
PRACTICAL VS THEORY

Course Code: **ALMEDAP**  
Duration: **2 Years Full-Time**

**Study the inner workings of the media industry and understand the theories that underpin how we interact with the world of TV, film, print, radio and digital online media through the study of a wide range of contemporary media products.**

**Develop practical skills using industry-standard creative software to design magazines, build websites and create a range of video productions. Throughout the course you will use these skills to produce a selection of coursework following live briefs from local and college projects.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects, and 6/B in maths for all subjects.

## What does the programme include

You will utilise your creativity through practical work which will include the use of specialist software to prepare newspaper and magazine layouts, as well as the preparation of film pieces.

You will also take part in group work, investigations of contemporary case studies, presentations, research projects and regular practice exam questions.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time

allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

There will also be assessed coursework.

## Course content

You will study the following units:

- Media theory and critical theoretical approaches
- Close study products from 9 media platforms
- Creative and practical skills in video production, print design and online media
- Media language, media audiences, media representation and media industries
- Social, historical and political perspectives



## Potential future careers

Example job roles in:

- Marketing Assistant
- Advertising Assistant
- Broadcast Journalist
- Editorial Assistant
- Event Organiser
- Information Officer
- Magazine Journalist
- Market Researcher
- Writer
- Online Blogger
- Public Relations Assistan.

Progress to degrees in:

- Journalism
- PR
- Advertising
- Marketing
- TV and Film Production

## Additional information

You will complete coursework that accounts for 20% of the final assessment. You will be given a set brief which comprises two practical products working with other departments in College to create a professional standard media product.



# A Level PHYSICS

20% 80%

PRACTICAL VS THEORY

Course Code: **ALPHYAP**  
Duration: **2 Years Full-Time**

Study topics such as the effects of excitation in nuclei, wave particle duality and Einstein's photoelectric effect, mechanics and waves, gravitational fields including planetary motion and escape velocity, astronomical imaging systems and astrophysics.

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects, and 6/B in maths for all subjects.

For physics you will also need grades 6/6/B/B or above in combined science, or a grade 6/B physics, plus a grade 6/B in biology or chemistry.

## What does the programme include

Physics, like all sciences, is a practical subject so you will study in a variety of ways. In science these will include: in class activities, worksheets, research, practice exam questions, practicals (both assessed and not) skills assessment, lab books, tests, group work and independent study.

We also organise industry visits that are relevant to your subjects and, where possible subject specific conferences.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the

end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

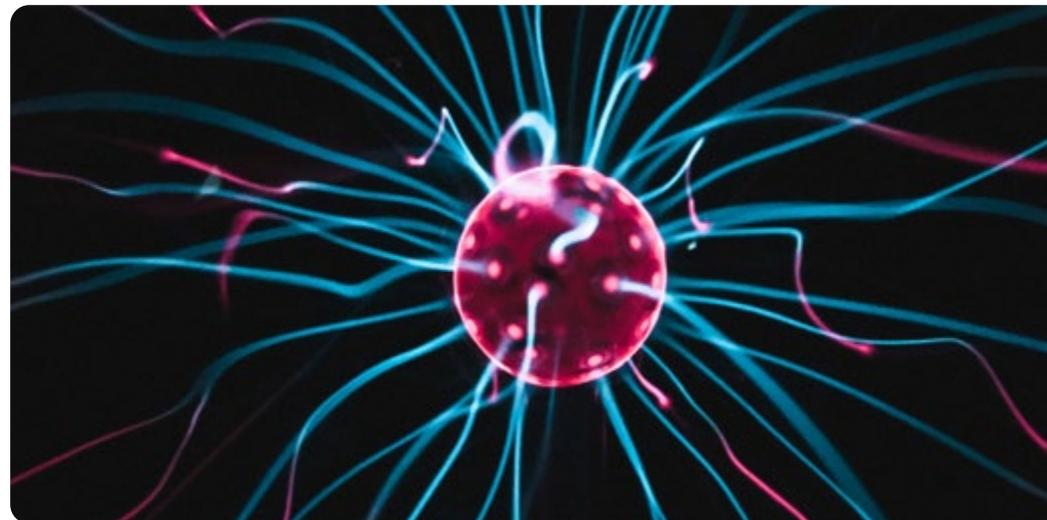
Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

In addition, you will be required to undertake a minimum of 12 assessed practicals and write up all supporting information in a lab book.

## Course content

You will study the following units:

- Measurements and their errors
- Particles and radiation
- Waves
- Mechanics and energy
- Electricity



- Further mechanics and thermal physics
- Fields
- Nuclear physics
- Astrophysics

be purchased from the College and will cost approximately £15 or you can use the ones we have. You will also need a scientific calculator.

## Potential future careers

Example job roles in:

- Physics
- Mechanical Engineering
- Teaching

Progress to degrees in:

- Mathematics
- Physics
- Teaching
- Engineering

## Additional Information

It is recommended that you check entry requirements for the degree courses/career paths you are considering. It is common to need maths alongside physics. A lab coat and safety glasses are required for this course, these can



# A Level POLITICS

0% **100%**  
PRACTICAL VS THEORY

Course Code: **ALPOLAP**  
Duration: **2 Years Full-Time**

**This course explores political and social issues, current affairs and how decisions affecting society are made. You will gain an understanding of contemporary political structures and their historical contexts, both within the UK and US. You will also develop your critical awareness of the changing nature of politics and the relationships between political ideas, institutions and processes.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects, and 6/B in maths for all subjects.

For politics you will also need a grade 6/B or above in English language or English literature, plus a grade 6/B or above in another humanity, plus a grade 6/B or above in one other subject.

## What does the programme include

You will be able to critically analyse, comprehend and interpret political information and evaluate areas of politics through debates and discussions. You will identify parallels, connections and similarities between the aspects of politics you have studied and be able to communicate arguments using appropriate political vocabulary. You will be given subject booklets which you will be required to work on in and outside of class.

## How the course will be assessed

This is a linear subject which means it

is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- Politics in the UK
- Political participation in the UK
- Political ideas
- Government and politics of the USA

## Potential future careers

Example job roles:

- Politician
- Journalist



- Social Worker
- Teacher
- Consumer Affairs
- Trade Unions Representative

Progress to degrees in:

- Politics
- Law
- Social Work
- Teaching
- Consumer Affairs
- Journalism

## Additional information

You will have the opportunity to visit Parliament to experience the political process first hand. Students have shadowed local MPs and also MPs in Parliament as their work experience too.



# A Level PSYCHOLOGY

0% **100%**  
PRACTICAL VS THEORY

Course Code: **ALPSYAP**  
Duration: **2 Years Full-Time**

**Ever wondered if prison really does change criminal behaviour? Or why some people conform? Or perhaps if the experiences you had before the age of five really do shape the person you are today? Psychology is the science of the human mind and behaviour, and includes the study of mental health and social change.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For psychology you will also need grades 5/5/C/C or above in double award science and a grade 6/B or above in English or a humanities subject.

## What does the programme include

You will study in a variety of ways. These will include; in class activities, worksheets, quizzes, games, practice exam questions, practical research activities, extended reading, tests, group work and independent study. You will be provided with topic booklets which you will be expected to complete both in and outside of class. We also organise industry visits that are relevant to your subjects and, where possible, subject specific conferences.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the

end of year two. There will be end of year exams in June of your first year which will determine your progress and whether you can enter the second year. During the two years of study, you will be regularly assessed under test conditions to practice being able to understand and respond to the questions asked in the correct time allocation so that you are fully prepared for the final exams.

There is an assessment calendar for A Levels which includes timed assessments every 4 to 5 weeks. Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- Social influence
- Memory
- Attachment
- Approaches in Psychology



- Bio-psychology
- Psychopathology
- Research methods

Plus:

- Relationships
- Stress
- Addiction

## Potential future careers

Example job roles:

- Forensic Psychologist
- Occupational Therapist
- Clinical Psychologist
- Nurse
- Teacher

Progress to degrees in:

- Psychology
- Criminology
- Sociology
- Teaching
- Law

## Additional information

Psychology is a scientific based subject and you will be expected to undertake some research and apply scientific approaches. There will also be a maths element.



# A Level SOCIOLOGY

0% 100%

**PRACTICAL VS THEORY**

Course Code: **ALSOCAP**  
Duration: **2 Years Full-Time**

**Engage with theoretical debates related to the education system, family, religion and crime. Sociologists undertake research to identify social problems and attempt to influence governments to improve the social world. As part of your studies you will evaluate the effectiveness of government policies, theories and research. Studying sociology will challenge you to think deeply about society and rethink many assumptions that we take for granted.**

## Entry requirements

The standard entry requirement for A Levels is 5 GCSEs at grades 5/C or above as a minimum for humanities subjects and 6/B in maths for all subjects.

For sociology, you will also need a grade 6/B or above in English or a humanities subject.

## What does the programme include

You will develop your skills of analysis, evaluation, active reading and sociological imagination. You will evaluate both theoretical perspectives and research studies so that you are able to construct evidence-based arguments and critical sociological essays, which lead to justified conclusions.

## How the course will be assessed

This is a linear subject which means it is examined externally entirely at the end of year two. During the two years of study, you will be assessed every 4 to 5 weeks under test conditions to practice being able to understand and respond to

the questions asked in the correct time allocation so that you are fully prepared for the final exams.

Feedback gained from these assessments will help you develop your skills, target your revision and where necessary enable us to provide additional support.

## Course content

You will study the following units:

- Theory and methods
- Education
- Family
- Beliefs in society
- Crime

## Potential future careers

Example job roles:

- Teaching
- Lawyer
- HR Manager
- Journalist



- Charity Manager
- PR Manager
- Police Officer

Progress to degrees in:

- Sociology
- Social Policy
- Journalism
- Criminology
- Social Work
- Teaching
- Law
- Business
- Politics
- Nursing

## Additional information

You will study 3 A Level subjects, plus tutorials and career development sessions. Each subject has 6 hours per

week contact time, with approximately 4 hours of independent study.

You will also be required to purchase textbooks to use at home and all writing equipment you will require in class.



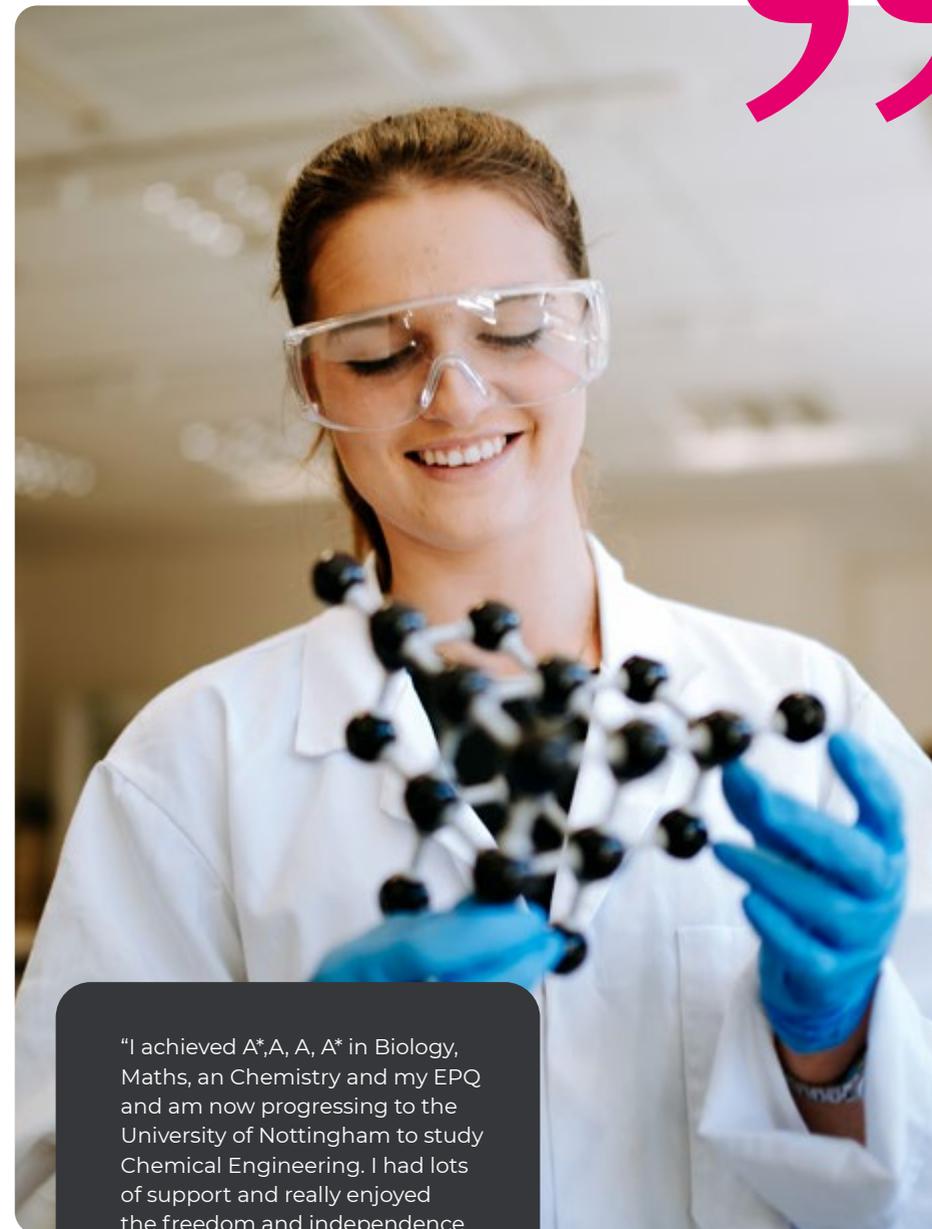
# EXTENDED PROJECT QUALIFICATION

100% 0%

PRACTICAL VS THEORY

Course Code: **EXTPRAP**  
Duration: **1 Year Full-Time**

The Extended Project Qualification is available for those interested in extending their research and writing skills in addition to their A Levels. You will produce a dissertation or create an artefact or plan an activity in a subject of your choice, complete a project plan, undertake primary and secondary research and give a presentation of your project at the end. You will have a project supervisor with whom you will liaise during the project and who will assess your final evidence.



"I achieved A\*,A, A, A\* in Biology, Maths, an Chemistry and my EPQ and am now progressing to the University of Nottingham to study Chemical Engineering. I had lots of support and really enjoyed the freedom and independence College offers."

**Emily Hutchinson**

# A LEVEL STUDENT ADDRESSES MINISTER, NICK GIBB

Inspirational A Level student Nina Bunting-Mitcham finally celebrates securing her place at the Royal Veterinary College, London to study Veterinary Medicine after the devastating A Level results algorithm caused her results to be downgraded by an astounding three grades!

Reflecting on her time at Stamford College she said, "Studying A Levels at college gives you the freedom to develop your independent study skills so you are better prepared for university. Thanks to the support I've had at the College I am now able to pursue my dream of becoming a Vet at Royal Veterinary College London."

Nina who studied biology, psychology and chemistry, crusaded courageously to garner action against an imperfect system after her downgraded grades shattered her dream of attending one of the top veterinary schools in the UK.

After finally being awarded her rightful grades Nina said, "I am so overwhelmed and happy with the outcome after what has been such a traumatic week. I'm very grateful that I have many immensely

supportive friends and family and peers, and the College are completely behind me, they've been brilliant throughout all of this."

Feeling like she was certain of the grades she deserved, Nina believed the D's she was awarded had to be an error. Standing up for herself and her fellow peers Nina courageously voiced her concerns on BBC Radio 4's Any Questions with School Standard Minister Nick Gibb.



Nina

Image Credit: East Anglia News Service

**Follow our socials to keep up with everything going on at College!**



# UCAS & UNIVERSITY



We offer information, advice and guidance to support decisions about learning, training and work opportunities now and in the future. This includes:

- A specialist Careers Advisor
- A Personal Development Programme to develop study and employment skills
- CV Writing Workshops
- Dedicated UCAS Support
- Work Experience
- Personal Career Plan
- Mock Interviews
- Tips and talks from employers
- Dedicated Apprenticeship team to support applications

## Personal Development Programme

Each term focuses on a different topic such as Careers and Employment, Prevent and British Values and Progression.

## University Fair

We also organise a Careers and University Fair in preparation for the UCAS deadline where universities from across the country and our largest local employers are invited to meet students and support them with their next steps.



# Ask us a question!



[enquiries@stamford.ac.uk](mailto:enquiries@stamford.ac.uk)



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