



POST 16
PROSPECTUS
&
COURSE
DIRECTORY
2023/24



Coop Schools
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A Message From The Principal



Hello and welcome to Post 16 at Dartford Science and Technology College. These are exciting times for our Post 16 provision, we have just said goodbye to last year's students with many securing their first choice place at university and others going on to exciting future opportunities in apprenticeships and employment. We have also welcomed our next group of Year 12s which includes students from DSTC as well as different local schools and academies and we are delighted that you have chosen to explore becoming part of our community.

The decisions you make now will significantly shape your future. We are confident DSTC is an excellent choice for students entering the next phase of their education. As a mixed sixth form we take the time to ensure all applicants receive individual guidance to ensure they are on the right pathway. This, combined with a full and inclusive induction process, means students quickly integrate into DSTC and become part of our supportive community. We believe our ethos and the high expectations we have of our Post 16 students will ensure you achieve to the best of your ability and we look forward to receiving your application.

Mrs A Davis
Principal

A Message From The Post 16 Leadership Team



Welcome to Post 16 at DSTC. I joined in September 2016 and enjoyed my time so much I decided to stay for A level. There have been a variety of amazing opportunities I have had the chance to experience during my time here which have allowed me to develop my leadership skills and confidence in trying new things. Truly, DSTC has given me the chance to be involved in a thriving school community that has allowed me to grow not just academically but personally as well. If you would like to be more involved in the school, not just in your studies, there are several ways to do this which are fun, challenging and character building. I feel confident that once I leave DSTC I will be a fully rounded, compassionate individual ready for the world outside of school.

The staff at DSTC are a massive strength of the Post 16 experience. Each of my teachers is passionate about the subjects they teach and have shared their own accomplishments which are truly inspiring and encourage me to apply myself to my studies with greater enthusiasm. In addition, there is an excellent support system of staff who are understanding and committed to ensuring you have a positive overall experience. DSTC is an encouraging and inspiring environment that shapes you to achieve your aspirations.

I hope reading this has given you an insight into why this school is the right choice for the next phase of your education!

Megan
Student Leadership Team

Post 16 @ DSTC

ENRICHMENT

At DSTC Post 16 we aim to offer a wide range of varied opportunities to students outside of lesson time. These enable students to develop the skills and knowledge necessary to be prepared for the world of work or higher education.

Students are encouraged to be key members of our school community and are expected to be role models for our younger students. You will have the opportunity to take on roles and responsibilities which will stretch and challenge you. All these activities will not only help others but will give you a valuable experience and opportunity to develop your skills.

LEADERSHIP OPPORTUNITIES

We have a strong focus on developing leadership skills and Post 16 at DSTC offers a wide range of leadership opportunities. We have a dedicated Post 16 Leadership Team who lead specific aspects of student experience across DSTC. Mentoring is also a key focus, with Post 16 students often participating in schemes working with younger students in areas such as reading buddies.

PRIVATE STUDY

To support students to manage their studies, supervised private study sessions are scheduled as part of the main Post 16 timetable.

TUTORIAL & ICE PROGRAMME

Tutor Time is an opportunity for our specialist Form Tutors to deliver a range of relevant subjects and topics. This time will also be used for individual mentoring and may be a time for students to do some additional research into the subjects they are studying. Post 16 Assembly is held once a week, these are themed based on current affairs and key events in the school calendar.

Unique to DSTC is our Post 16 Individual Character Education (ICE) curriculum. All students have one ICE lesson a week, exploring themes such as healthy lifestyles and wellbeing, financial choices and employment, living independently as well as relationship and sex education.

WORK EXPERIENCE

All students at DSTC take part in at least one week of high quality work experience. This has proven to be a valuable and rewarding opportunity, allowing students to experience a wide range of careers. This forms part of our Careers education in which students also participate in programmes to support them to build their employability portfolio and with writing CVs and personal statements.

A REWARDABLE DAY

Students in Post 16 have a full time timetable which contains their lessons, supervised and private study, ICE and enrichment activities. To recognise their growing independence we reward students with early finishes, if they remain on track with their studies.

COURSE DIRECTORY

Introduction

- 4. Application Process
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Applied Level 2 Courses

- 7. Finance
- 8. Personal Growth & Wellbeing

A Level & Applied Level 3 Courses

- 10. Art & Design: Fine Art
- 11. Biology
- 12. Business
- 13. Chemistry
- 14. Criminology
- 15. English Literature

- 16. Finance
- 17. Geography
- 18. Health & Social Care
- 19. History
- 20. Information Technology
- 21. Maths
- 22. Media
- 23. Psychology
- 24. Applied Science
- 25. Sport

Additional Courses

- 26. Extended Project Qualification
- 26. English and Maths GCSE Re-sit

The Application Process

How to join DSTC Post 16

External Students

You can apply through Kent Choices or complete an application form (enclosed or via our website) as soon as possible indicating the choice of subjects you wish to study. You should check the subject blocks on the application form to ensure the combination of subjects fit. Please note that you are not tied down to these subjects and are free to change your subject choice later, as long as there is a space and you meet the entry requirements.

You will be invited to attend a progression interview from January 2023 with a senior member of staff to discuss your planned courses. We will also discuss your predicted grades at GCSE and your career aspirations. After this we will send you a conditional offer, subject to your GCSE results.

Once you have received your GCSE results, you will attend enrolment and confirm your final choices in August 2023.

Internal Students

All DSTC Year 11 students will be guaranteed a progression interview with a senior member of staff. This will give you the opportunity to discuss your predicted GCSE grades, your career aspirations and your options for Post 16 study. You can also apply via Kent Choices.

If you need any help or guidance, please contact our Post 16 Admissions Team on 01322 224309 or via email at post16@dstc.kent.sch.uk

Choosing Your Pathway

Level 2 Pathway

The Level 2 Pathway is designed for students who are not yet ready to study Level 3 courses. It is a one-year stepping stone. On completion of the Level 2 Pathway, students should be able to go on and access the Level 3 Pathway.

Students will embark on a course of two subjects, alongside re-taking their GCSE English and/or GCSE Maths qualification if they have not already achieved a grade 4. Students on the Level 2 Pathway will also benefit from flexible working hours.

Level 3 Pathway

The Level 3 Pathway is a significant step up from GCSE and is suitable for students who have gained 5 passes at GCSE including English and Maths. Level 3 qualifications are a stepping stone to university, employment and apprenticeships. All students on the Level 3 Pathway will study 3 subjects. Level 3 students will be in school full time every day.

Level 2 Pathway

Entry Requirements:

3 GCSEs at grade 3 or above.

Both English and Maths must be at grade 2 or above.

All students on the Level 2 Pathway will study the following two courses:
Financial Studies and Personal Growth & Wellbeing.

The Level 2 Pathway is a one year course.

Finance

The Certificate in Financial Studies is made up of three mandatory units which need to be successfully completed in order for the student to achieve the award. In the first year of the course, students study the first two units (Finance, the Individual and Society and Practices of Managing Money) which are both assessed through a 35 question multiple choice exam. The second year focuses solely on the final unit (Financial Capability, Work and Enterprise) which is assessed by a pre-released case study requiring written answers to 5 different questions.

Unit 1: Finance, the Individual and Society - Students will understand the role of the citizen in the UK, the values held by citizens and the impact they have on personal finance.

Unit 2: Practices of Managing Money - Students will understand the concept of financial planning and personal financial budgets.

Unit 3: Financial Capability, Work and Enterprise - Designed to provide learners with an understanding of how a business manages money and the relationship between personal money management and business money management. The unit also provides knowledge on the inter-relationship between the individual and business.

Upon completion, students will be in a good position to study the LIBF Level 3 Certificate in Financial Studies (CeFS) or the LIBF Level 3 Diploma in Financial Studies (DipFS).

The course teaches students to become responsible borrowers, sensible savers, and have an appreciation of the need for financial planning throughout their lives. It also allows good progression onto other Level 3 courses and apprenticeships in the financial services sector.

Department:

Applied

Exam Board:

London Institute of Banking and Finance

Entry Requirements:

At least 3 GCSEs grade 9-3. English and Maths must be grade 2 or above.

Assessment:

Units 1 and 2 are assessed by a single 45 minute test that comprises 35 questions (20 for Unit 1 and 15 for Unit 2).

Unit 3: Assessed by a pre-release case study requiring written responses.

Personal Growth & Wellbeing

Upon successful completion of this course, students will be awarded the BTEC Level 2 Certificate in Personal Growth and Wellbeing.

The Pearson BTEC Level 2 in Personal Growth and Wellbeing is designed around practical skills and tasks which place an emphasis on learners' personal responses to everyday life situations and scenarios. Learners are encouraged to reflect and demonstrate their understanding. This qualification gives learners the opportunity to acquire and develop generic and transferable skills in order to complete tasks and demonstrate a level of achievement at Level 2, which enables them to progress to further learning or employment. Units 1-4 have been developed in direct response to the statutory Relationships and Sex Education requirements in England and Wales.

The course is made up of at least 5 units designed to promote the following skills and knowledge: maintaining physical health and wellbeing; developing resilient behaviour; encouraging financial awareness, promoting environmental awareness and the development of a long term progression plan. Throughout the course students will be encouraged to engage with Youth Social Action and will be challenged to develop their awareness of the world around them.

Units You Will Study Include:

- Maintaining Physical Health and Wellbeing
- Investigating Personal Identity
- Respecting Rights and Responsibilities
- Developing Resilient Behaviour
- Being Financially Aware

Department:

Applied

Exam Board:

Pearson Edexcel

Entry Requirements:

At least 3 GCSEs grade 9-3. English and Maths must be grade 2 or above.

Assessment:

The course is continually assessed through coursework – all units are internally assessed and to achieve a qualification at Level 2 all 9 assignments must be passed.

Level 3 Pathway

Entry Requirements:

5 GCSEs at grade 4 or above, or BTECs at Level 2 Merit or above.

Both English and Maths must be at grade 4 or above.

Some subjects have specific requirements, please check the criteria.

All students on the Level 3 Pathway will choose three courses.

The courses must be from different blocks.

The Level 3 Pathway is a two year course.

Art and Design: Fine Art

Drawing in fine art forms an essential part of the development process from initial idea to finished work: from rough sketches; to diagrams setting out compositions; to digital drawings used for installations or as part of three-dimensional work.

Students will use a variety of tools, materials and techniques, as appropriate, for recording their surroundings and source materials. Students will choose their own pathway and respond to artists and designers in a multitude of ways.

Students will explore the art world and delve into the historical, cultural and social aspects that define it.

Contexts for fine art can be found in a wide range of sources; for example, from historical works in museums, contemporary art shows and fairs, an exhibition at a local gallery, films, architecture, music, literature and nature. So get out there and not only look but start drawing.

Higher Education and Career Opportunities:

Many students go on to study an Art and Design related degree at university or pursue a career in any of the following: Advertising art director, Animator, Architect, Body piercer, Bookbinder, CAD technician, Ceramics designer-maker, Costume designer, Exhibition designer, Fashion designer, Fine artist, Florist, Footwear designer, Furniture designer, Graphic designer, Illustrator, Interior designer, Jewellery designer-maker, Landscape architect, Make-up artist, Medical illustrator, Pattern grader, Photographer, Photographic stylist, Photographic technician, Product designer, Prop maker, Product designer, Prop maker, Set designer, Sign writer, Tattooist, Textile designer, Upholsterer, Visual merchandiser.

Qualification:

A Level

Exam Board:

AQA

Entry Requirements:

At least 5 GCSE grades 9-4, with Art at grade 5 or above.

Assessment:

Component 1:

Personal investigation

60% of A Level

No time limit

(96 marks)

Component 2:

Externally set assignment

Biology

Biology is the study of living organisms and how these interact with each other and their environments. Biology is really a multidisciplinary subject made of many different and interdependent fields. Biology explores how living systems are constructed, as well as how they develop, communicate, interact, reproduce, defend themselves, and shape the biophysical environment around them. Biologists are constantly looking to understand links between different disciplines of biology and in this sense evolution is a unifying concept in biology.

At DSTC Post 16 we study AQA A-level Biology which is a 2 year course. We suggest studying Psychology or Applied Science alongside Biology. The topics we will study are Biological molecules, Cells, Organisms exchange substances with their environment, Genetic information, variation and relationships between organisms, Energy transfers in and between organisms, Organisms respond to changes, Genetics, populations, evolution and ecosystems and The control of gene expression.

Practical Skills assessments are required as part of the A-level course. These will be endorsed by your teacher as proof of your practical competencies in Biology. You will be required to complete 12 practicals and include evidence of plans and write-ups in a dedicated folder. These practical skills will be tested in your written examinations.

Higher Education and Career Opportunities:

A level Biology can lead to numerous exciting career opportunities such as Physiotherapy, Optometry, Audiology, Biomedical Sciences, Ecology, Genetics, Dentistry, Medicine, Environmental Sciences, Teaching.

Qualification:

A Level

Exam Board:

AQA

Entry Requirements:

At least 5 GCSE grades 9-4, with GCSE Biology, Chemistry and Maths at Grade 6 or above (or Combined Science grade 6-6 or above).

Assessment:

2 x 2 hour written exams
(mixture of long and short answer questions)

1 x 2 hour written exam
(practical techniques and critical analysis of experimental data)

Business

This qualification is a great choice for students who are interested in the world of business and entrepreneurship. Using real business cases, you will learn how management, leadership and decision-making can improve performance in finances, marketing, operations and human resources. You will learn how to analyse competitive environments and markets; assess how ethical, environmental and technological factors influence decision making and use a range of quantitative and non-quantitative data to evaluate strategic and functional options.

Subject Content Topics:

- 3.1 What is business?
- 3.2 Managers, leadership and decision making
- 3.3 Decision making to improve marketing performance
- 3.4 Decision making to improve operational performance
- 3.5 Decision making to improve financial performance
- 3.6 Decision making to improve human resource performance
- 3.7 Analysing the strategic position of a business (A-level only)
- 3.8 Choosing strategic direction (A-level only)
- 3.9 Strategic methods: how to pursue strategies (A-level only)
- 3.10 Managing strategic change (A-level only)

Higher Education and Career Opportunities:

Upon completion of this course, you can progress to university to study a business related degree. It gives you UCAS points and is recognised by higher education providers as contributing to meeting admissions requirements for many courses.

Alternatively, you can enter into employment or an apprenticeship. Areas of employment include junior business roles in Administration, Finance, HR, and Marketing.

Qualification:

A Level

Exam Board:

AQA

Entry Requirements:

At least 5 GCSE grades 9-4, with English and Maths at grade 5 or above.

Assessment:

Three external written exam papers at the end of year 2.

Each paper is 2 hours long and worth 100 marks.

Chemistry

Chemistry is the study of matter and energy and the interaction between them. There are many reasons to study Chemistry, even if you aren't pursuing a career in science. Chemistry is everywhere in the world around you! It's in the food you eat, clothes you wear, water you drink, medicines, air, cleaners - you name it. Chemistry sometimes is called the "central science" because it connects other sciences to each other, such as Biology, Physics, Geology and Environmental Science. Chemistry is a well respected A Level that can open up many pathways for the future from medicine, to patent law, forensic science farming.

The course content develops the foundations of chemistry before branching out into the 3 disciplines of organic, physical and inorganic chemistry. Specific topics include biochemistry, kinetics, equilibria and energetics.

Learning will develop through practical investigations, group discussions, research and presentations, as well as written tasks.

Higher Education and Career Opportunities:

As far as employment prospects are concerned, Chemistry is a 'heavyweight' subject, essential for many scientific careers and highly regarded for non-vocational jobs. It has obvious relevance for medicine and veterinary science, as well as jobs in businesses involved in drugs and medicine manufacture, agriculture, brewing, food, biotechnology and forensic science – to name just a few.

Any student qualified in Chemistry will automatically be regarded as someone who is numerate, well organised, self-motivated and intellectually adept – useful qualities to bring to any job.

Qualification:

A Level

Exam Board:

OCR A

Entry Requirements:

At least 5 GCSE grades 9-4, with GCSE Biology, Chemistry and Maths at Grade 6 or above (or Combined Science grade 6-6 or above).

Assessment:

2 x 2 hour 15 min written exams
(mixture of long and short answer questions)

1 x 1 hour 30 min written exam (practical techniques and critical analysis of experimental data)

Criminology

The course is made up of 4 mandatory units, Units 1 and 2 are completed in Year 12 and Units 3 and 4 in Year 13. In Year 12 students will sit external assessments and be entered for the Applied Certificate qualification, and in Year 13 they will be entered for the Applied Diploma.

Unit 1: Changing Awareness of Crime: This part of the course will allow you to understand a wide range of different crimes committed and the reasons why people may not always report such crimes by exploring the social construction of criminality.

Unit 2: Criminological Theories: You will begin by looking at how we define crime by exploring the relationship between criminal behaviour and deviance. You will also explore psychological and sociological explanations for criminal behaviour and what leads people to commit different types of crimes.

Unit 3: Crime Scene to Courtroom: You will look at the different methods of investigating crime, including crime scene investigation and forensic science in order to justify their effectiveness in criminal investigations.

Unit 4: Crime and Punishment: In this unit you will look at the different types of punishment for criminal behaviour, why we use these different methods and how effective these are.

Higher Education and Career Opportunities:

After successfully completing this programme you could go on to study higher education courses such as BSc Criminology and Psychology, BA Criminology, BSc Sociology and LLB Law. Possible careers include roles as a Detective, Police Officer, Prison Officer, Young Offenders Officer, Probation Officer, Security Officer, or Victim Support Worker, among others.

Qualification:

Applied Diploma

Exam Board:

EDUQAS

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths.

Assessment:

Units 1 and 3 are assessed through internally set assignments.

Units 2 and 4 are assessed through unseen written exams papers.

Year 12: Applied Certificate

Year 13: Applied Diploma

English Literature

This course allows you to study a wide range of texts which will encourage you to explore the relationships that exist between texts and the contexts within which they are written. The exam set texts you will study are:

- Othello by William Shakespeare
- An anthology of Pre-1900 poetry
- Great Gatsby by F. Scott Fitzgerald
- The Feminine Gospels Poetry Anthology by Carol Ann Duffy
- Revolutionary Road by Richard Yates
- Cat on a Hot Tin Roof by Tennessee Williams
- Unseen poetry and unseen extracts from prose

You will need a passion for English Literature and enjoy reading in your spare time. You should keep abreast of new interesting fiction by looking at nominees for 'The Man Booker' prize or the Costa Book Awards etc. You could also prepare by researching the changing attitudes towards love and relationships throughout history.

Higher Education and Career Opportunities:

A Level English Literature can be a good pathway to many other higher education courses and careers. Indeed, many of our students have gone on to study a degree in English Literature. Subsequently, this has facilitated their employment in careers such as journalism and teaching; moreover if you choose to go straight into employment after Post 16 this course will help you develop the skills and knowledge many employers are looking for, particularly in relation to demonstrating high levels of competency with communication.

Qualification:

A Level

Exam Board:

AQA

Entry Requirements:

At least 5 GCSE grades 9-4, including Maths, English Language and English Literature at grade 6.

Assessment:

Two exams, one of which (Shakespeare) will be a closed book exam with an extract to support your analysis. You will submit one coursework unit. The exams are worth 80% of the overall qualification. The NEA (Non-Exam Assessment) is worth 20%.

Finance

The objective of this course is to enable students to make informed and confident decisions regarding their finances. Students will cover a range of topics such as:

- Importance of financial capability in the immediate, short, medium and long term.
- Financial services and products, including sources of help and advice.
- Borrowing, budgeting, financial planning and cash flow forecasting.
- The impact of external influences at different stages in the personal life cycle.
- Risk and reward in managing personal finance.

In order to complete the award, students must complete two mandatory units in Year 12:

Unit 1: Financial Capability for the Immediate and Short Term

Students will gain an appreciation of why money is important through focusing on what money is, attitudes towards it and how it can affect life choices.

Unit 2: Financial Capability for the Medium and Long Term

Students will gain the ability to plan and manage their financial needs in the medium and long term, with particular reference to the importance of the need to budget for future aspirations and life events.

There will be a further two units of study in Year 13.

Higher Education and Career Opportunities:

Level 3 Financial Studies can lead on to Further or Higher Education in courses such as Finance, Economics, Business Studies and Management. This can also lead on to a variety of careers in the banking and finance sectors such as Financial Advisors, Financial Journalism and Accounting.

Qualification:

Applied

Exam Board:

London Institute of Banking and Finance

Entry Requirements:

At least 5 GCSEs grade 9-4 including English and Maths.

Assessment:

Part A: 35 multiple choice questions in a 45-minute examination.

Part B: pre-release case study requiring essay responses in a 105-minute examination.

Part B will also assess spelling, punctuation and grammar.

Geography

This course will suit those interested in the Sciences and Human related issues of the world. Two trips related to the course will be offered. One of which is a course requirement and the other non-compulsory.

You will study the following four components over the two years of your course:

Component 1: Physical Systems: You will explore how the Coastal landscape can be viewed as a system and how the coastline develops and changes over time, investigating the influences of climate and human activity. Additionally, you will study Earth's life support systems and explore how important water and carbon are to life on earth.

Component 2: Human Interactions: You learn how the world around you is shaped by humans, starting from the local and moving out to regional, national and international scales. Additionally you learn global migration linked to human rights, which explores people and why they move.

Component 3: Geographical Debates: This component links to the wider world issues understood via Components 1 and 2. You will study Disease Dilemmas (a highly topical debate due to the recent pandemic) and Hazardous Earth where you will explore the varied impacts of natural disasters such as earthquakes and volcanoes.

Component 4: Fieldwork investigation: You are taught how to conduct fieldwork and carry out an independent investigation into an area of particular interest.

Higher Education and Career Opportunities:

After successful completion of this course you could go on to study at University in the fields of Environmental Science, Marine Biology, International Relations and Politics. Possible careers include roles as a Meteorologist, Climate Systems Analyst, Town Planning Officer, Bioresearcher, Oceanographer, Architect, Teacher.

Qualification:

A Level

Exam Board:

OCR

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths.

Assessment:

Components 1, 2 and 3 are externally assessed via three written papers:

C1: Exam 1hr 30 minutes.

C2: Exam 1hr 30 minutes.

C3: Exam 2hr 30 minutes

Component 4 is internally assessed via coursework.

Health and Social Care

This course aims to provide an introduction to the health and social care sector. It is designed to equip students with the skills and knowledge needed to care for others in a broad range of health or social care settings. Students will have to complete four units, three of which are mandatory:

Unit 1: Human Lifespan and Development—you develop your knowledge and understanding of patterns of human growth and development. You will explore the key aspects of growth and development, and the experience of health and wellbeing.

Unit 2: Working in Health and Social Care - This unit will explore the different jobs and careers available within Health and social care; it will also focus on the needs of the individual and the role of the professionals.

Unit 5: Meeting Individual Care and Support Needs—you will learn about the values and principles of meeting care and support needs and look at some of the ethical issues which arise when personalising care.

Unit 12: Supporting Individuals with Additional Needs—This unit aims to give you specialist knowledge that can be crucial to ensuring those with additional needs meet their full potential.

Higher Education and Career Opportunities:

This qualification is designed to support progression to Higher Education when taken as part of a programme of study that includes other appropriate Applied qualifications or A Levels.

There are also opportunities to qualify for Social Work, Midwifery, Paramedics and Teaching.

Qualification:

Applied

Exam Board:

Pearson Edexcel

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths.

Assessment:

Unit 1 is a 1.5 hours written exam. All other units are assessed through coursework assignments.

Unit 2 is assessed externally, whilst Units 5 and 12 are assessed internally.

History

Studying A-level History helps to improve students analytical, research and communication skills as well as teaching them appreciation for their own history and that from around the world. The skills developed as part of studying History compliment many other subjects studied and develop skills that are invaluable in many jobs. This is an ideal subject to study to help with a transition into university or a career in History. Studying History also helps to develop prioritising of information as well as decision making.

Subject Content Topics:

The Tudors: England 1485 – 1603:

England: Turmoil and Triumph, 1547 – 1603:

Democracy and Nazism: Germany 1918 – 1945

Nazi Germany 1933 – 1945:

Coursework: Free choice

Higher Education and Career Opportunities:

Upon completion of this course, you can progress to university to study a History related degree. There are often many different areas of History that can be studied at university specialising in specific themes or periods of time depending on what the student is interested in.

Alternatively, the skills developed in history could help to lead on to careers in journalism, analytical jobs, teaching, archaeology and many others.

Qualification:

A Level

Exam Board:

AQA

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths at grade 5.

Assessment:

Year 1 - Two exams (one Tudor and one Democracy and Nazism) each 1 hour 30 minutes.

Year 2 - Two exams (one Tudor and one Democracy and Nazism) each 2 hour 30 minutes and a coursework historical investigation on a topic of student's choice.

Information Technology

This qualification is designed for students who are interested in creating IT systems to manage and share information. It will give them the opportunity to develop their knowledge and skills in IT systems, systems management and social media in business.

Unit 1 – Fundamentals Of IT: Students will be learning computer hardware and software. There are external exams conducted by OCR in January and June.

Unit 2 - Global Information: Students will be learning how to exchange information in the global world. There is an external exam conducted by OCR in January and June.

Unit 5 – Virtual and Augmented reality: Virtual reality is a simulated environment intended to replicate the physical experience of being in places in the real or imagined worlds by giving the user sensory experiences matching those which would be experienced were the user actually in that environment. Augmented reality is the process of changing the user's view of the real world in order to give them an improved, or more detailed, view of what they are seeing.

Unit 12 – The aim of this unit is to broaden your knowledge and understanding of the wider potential of mobile technologies and their consequences to people and businesses. This unit is as much about new technologies as it is about promoting critical analysis of existing situations and proposing better solutions.

Unit 17 –This unit is about the use of the internet and how it is impacting people and society. You will learn about the Internet of Everything (IoE) and how it is used. Using your knowledge you will carry out a feasibility study for a potential idea.

Higher Education and Career Opportunities:

The qualification is aimed at progression to Higher Education but also enables learners to develop knowledge and skills needed for entry-level roles related to IT, including vocational apprenticeship roles and trainee/entry-level roles such as a Social Media Specialist, Web/Content Developer.

Qualification:

Applied

Exam Board:

OCR

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths.

Assessment:

Unit 1 is a 2 hour written exam.

All other units are assessed through coursework assignments.

Unit 2 is assessed externally, whilst Units 3 and 6 are assessed internally.

Maths

The A Level Maths course is a two year course comprising of three main modules; Pure Mathematics 1, Pure Mathematics 2 and Statistics & Mechanics.

Content Overview:

Pure Mathematics:

Topic 1 – Proof

Topic 2 – Algebra and functions

Topic 3 – Coordinate geometry

Topic 4 – Sequences and series

Topic 5 – Trigonometry

Topic 6 – Exponentials & logarithms

Topic 7 – Differentiation

Topic 8 – Integration

Topic 9 – Numerical methods

Topic 10 – Vectors

Statistics & Mechanics:

Topic 1 – Statistical sampling

Topic 2 – Data presentation & interpretation

Topic 3 - Probability

Topic 4 – Statistical distributions

Topic 5 – Hypothesis Testing

Topic 6 – Quantities & units in mechanics

Topic 7 - Kinematics

Topic 8 – Forces & Newton's laws

Topic 9 - Moments

Higher Education and Career Opportunities:

Students who study Maths gain a large number of transferable skills which they can apply to future studies and careers. Skills students will develop include:

- Problem solving in a variety of contexts.
- Estimation and accuracy
- Presenting and analysing data in a variety of formats
- Efficient and effective use of a calculator to support mental arithmetic
- Investigational strategies

Qualification:

A-Level

Exam Board:

Edexcel

Entry Requirements:

At least 5 GCSE Grade

9-4 with Maths at Grade 7 or above.

Assessment:

100% examination

Paper 1 – Pure – 33.3%

Paper 2 – Pure – 33.3%

Paper 3 – Statistics & Mechanics – 33.3%

2 hours per paper

100 marks per paper

Calculators are permitted in all three papers.

Media

You will be studying a range of texts for contexts, media language, genre, audience, representation and industry from different era, genres and countries.

Students will study: the 1950s Tide advert; a moving image water aid advert, the 1970's Hammer House of horror Kiss of the Vampire film poster, industry and marketing for I, Daniel Blake; industry and marketing for Black Panther; Industry and marketing for the video game franchise 'Assassins Creed'; a front page from The Times; a front page for the Mirror; LNWH radio show; music videos for Formation (Beyonce) and Riptide (Vance Joy); Season 1 episode 1 of Humans; Season 1 episode 1 for Les Revenants/The Return (a French text); an historical issue of Vogue and a contemporary issue of The Big Issue and lastly, Zoella's blog and Attitude's blog.

Students should consume a range of media texts from adverts, magazines, film marketing, TV, video games, newspapers, music videos, blogs and the radio. They should also visit the library and read articles from the media magazine. They could also review classwork and make knowledge organisers and cue cards for key concepts and theories.

Higher Education and Career Opportunities:

This qualification can lead you to any work within the media, such as, Media Planner, Multimedia Specialist, Programmes Researcher, Public Relations Officer, a Runner, Social Media Manager, Television/Film or Video Producer, Web Content Manager, Marketing, Advertising, Journalism, Editorial Assistant, Event Manager, Information Officer, Market Researcher and Writer .

Qualification:

A Level

Exam Board:

EDUQAS

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths.

Assessment:

Two exams at the end of Year 13. Component one is 2.25 hours and worth 35%.

Component two is also worth 35% and is 2.5 hours long.

There is also a coursework assignment worth 30% of the course.

Psychology

This qualification offers an engaging and effective introduction to Psychology. Students will learn the fundamentals of the subject and develop skills valued by Higher Education (HE) and employers, including critical analysis, independent thinking and research.

Students will study many familiar and popular topics which include:

Approaches and methods related to the core areas of Psychology – cognitive, social, biological, developmental, individual differences and research methods
Explanations from different approaches, along with psychological issues and debates.

In year 1 students will cover the mandatory content which will allow students to develop and demonstrate knowledge and understanding of psychological concepts, theories, research studies, research methods and ethical issues. These topics include social influence, memory, attachment, psychopathology, approaches in psychology and research methods.

In year 2 students will be able to have a wider option of topics to cover and these can include issues and debates in psychology, relationships, gender, stress, aggression and forensic psychology.

Higher Education and Career Opportunities:

The qualification carries UCAS points and is recognised by Higher Education providers. When combined with other qualifications within a two year study programme, such as AS/A Levels or a BTEC National Diploma in a complementary sector, you can progress to higher education to study for undergraduate degrees in Education, Child Psychology, Nursing or Occupational Health.

Qualification:

A Level

Exam Board:

AQA

Entry Requirements:

At least 5 GCSE grades 9-4, with English and Maths at Grade 5 or above.

Assessment:

Three 2 hour written exams over the two years. Each paper is worth 96 marks and 33.3% of the A Level.

Applied Science

Applied Science is a qualification which reflects aspects of employment within science organisations or organisations using science and enable learners to develop practical scientific skills.

This qualification will appeal to learners who prefer portfolio-based assessment covering a variety of scientific investigations, although there are aspects of External Assessment.

There are mandatory units that all students must study. These are:

- Principles & Applications of Science (External Exam)
- Practical Scientific Procedures & Techniques (Internal Assessment)
- Science Investigation Skills (External Exam)

Students will also cover 1 optional unit, during the course. Optional units within the qualification cover areas of laboratory science, forensic science, medical science and biological, chemical and physical science to provide a route to employment in the science industry or within organisations using science.

What doors does this open up for me?

This course provides much of the underpinning knowledge and understanding for the National Occupational Standards for the sector, where these are appropriate. They attract UCAS points which equate to similar-sized general qualifications within education institutions in the UK. Applied Science can lead to further studies towards many related university courses and offer valuable skills required for employment in and around the science sector.

Qualification:

Applied

Exam Board:

Pearson Edexcel

Entry Requirements:

At least 5 GCSE grades 9-4, with Science at grade 5 or above.

Assessment:

Unit 1 – external exam - 3 papers of 40 minutes each
Unit 3 – external exam – 3 hours practical exam followed by a 1 hour 30 minute written paper.

Sport

This qualification aims to develop your knowledge, understanding and skills of the principles of sport and physical activity. You will gain an insight into the sector as you investigate opportunities for delivering sport and physical activity to a wide range of participants. Students will complete the following units:

Unit 1: Body Systems— gain an understanding of the structures and functions of the key body systems, how these support and impact performance in sport.

Unit 2: Sports Coaching and Leadership - explore the roles and responsibilities of coaches and leaders and how these differ from each other. Be involved in delivering and teaching sport and physical activity.

Unit 3: Sports Organisation—gain an understanding of the organisations involved in sport in the UK, their roles and responsibilities and how they work together.

Unit 18: Practical Skills in Sport—learn how to apply skills, tactics, techniques and knowledge in individual sports, team sports and outdoor activities which will allow you to participate effectively, safely and enjoyably.

Unit 19: Psychology in Sport—learn different motivations people have for participating in sport.

Higher Education and Career Opportunities:

This qualification is recognised for UCAS tariff points and provides a strong base for progression to university. It also enables students to seek apprenticeships or employment in either a more 'office-based' role such as a Sport Development Officer or Community Sport Officer or it can be in a more 'field-based' role such as a Senior Sports Coach or Senior Activity Leader.

Qualification:

Applied

Exam Board:

OCR

Entry Requirements:

At least 5 GCSE grades 9-4, including English and Maths.

Assessment:

Unit 1 has a 1.5 hours written exam. Unit 3 has a 1 hour written exam.

Units 2, 18 and 19 are internally assessed through coursework and a practical activity.

Additional Qualifications

GCSE English and Maths Resits

Students who have not achieved a grade 4 in GCSE English and/or Maths will be required to attend English and Maths resit lessons and re-sit the GCSE qualifications in the November and June sittings. We only offer GCSE re-sit, not a stepping stone qualification such as functional skills.

Extended Project Qualification (EPQ)

The Extended Project Qualification (EPQ) is offered to all Year 13 students as an extra qualification and helps to provide students with the opportunity to work independently and creatively, whilst developing the skills universities and employers look for.

The EPQ aims to inspire, enthuse and motivate students by giving them the freedom to undertake a project on any subject they are studying or in an area of personal interest. Students spend their time focused on a skills-based piece of work can be a design, a performance, a report within findings from an investigation, a made artefact (such as a book or working model) or a dissertation.



Dartford

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