

Sixth Form



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Ambition**



**“Being the Best
you can Be”**

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A Level
Physics
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A

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welcome

Dear students and families

I am really proud to be Principal of KSA. We are an Academy that aspires to be the best at everything we do. We inspire achievement in our students and believe in developing the whole person through strong academic and pastoral support. We are a caring, proactive community which has the students at the heart of everything we do.

Our students receive high-quality teaching in a fantastic learning environment, ensuring that they reach their potential of being the best they can be.

I am delighted that from September we will have a state-of-the-art Sixth Form centre to develop our Sixth Form experience further.

KSA supports a wealth of extra-curricular activities and educational experiences which help students prepare for life in the wider world.

Students are treated as individuals at KSA, and receive an education that is best tailored to their abilities and aspirations.

Our ambition is to provide each student with an outstanding education that will prepare them for the rigours, demands and opportunities they will meet in the 21st century.

We are a valued member of the Brooke Weston Trust and its network of schools. Our association with the Trust further allows KSA's students and staff access to a range of excellent opportunities, and gives us a shared sense of belonging and identity through joint ventures that occur across the Trust.

We are very proud of our results at A level and our students, who go on to high quality destinations. KSA is a very exciting and forward thinking Academy, we look forward to welcoming you to our Sixth Form.

Tony Segalini
Principal



Our high-quality facilities, dedicated staff and new Sixth Form area allow our students to work independently of the younger years while remaining a central part of the school.

Tutor Time allows our Year 12 and 13 students to work together to develop vital life skills such as handling finance and organising charity events and inter-form competitions.

We understand that each young person has different aspirations and we work tirelessly to support each of them to achieve these. Our pastoral team, along with our independent careers adviser offer students the support and guidance needed at each stage of their journey. A collaborative partnership with other Brooke Weston Trust schools, local colleges, universities and organisations enables us to offer a varied and rich curriculum. Through working alongside these partners, we seek to offer a range of external speakers covering topics from university life and apprenticeships to job opportunities in a variety of sectors.

Dear students and families

At Kettering Science Academy's Sixth Form we offer a personalised experience for all our students. We have a proven track record of success with an ever-increasing number of students obtaining places at Oxbridge and Russell Group universities.

Achievement for every student comes through hard work and we believe in creating the conditions which enable every learner to be successful.

While every student will study at least three A level or vocational qualifications, the extra-curricular activities we offer allows them to develop key skills including independent study skills, leadership and confidence.

Our experience of supporting students to achieve their best and aim for the highest universities means we are aware of the challenges that our young people face during the transition between Years 11 and 12. We have well-established procedures in place to ensure this process is as smooth as possible. We are proud of all of our Sixth Form students at the Academy and our continued investment in them is a sign of our commitment to each and every student that begins their A level and vocational studies with us.

I look forward to welcoming you to our Sixth Form in September 2020. If you have any queries about the Sixth Form, please get in touch.

Rachael Davies
Head of Sixth Form

Curriculum

- Most students study three A level or vocational subjects.
- A levels are now linear meaning that the overall qualification at A2 is assessed entirely at the end of the second year.
- Assessment varies across subjects – specific subject information can be found in the course details found later in this prospectus.
- A range of vocational qualifications are on offer alongside the traditional A level courses, allowing a mix and match approach whereby students can study a combination of A level and vocational qualifications.

Best ever
A level
results 2019

Entry Requirements

In order to begin studies here at Kettering Science Academy, students must achieve five GCSEs at grade 5 or above. If students are studying vocational subjects only, they must achieve five GCSEs at grade 4 or above. Some subjects have additional entry requirements so please read the specific subject information carefully.

Achievement

Staff at Kettering Science Academy are experts in their subject areas and provide a personalised learning programme tailored to the needs of our post-16 students. We set aspirational targets to help students accomplish their best and feel proud of their achievements. Many students go on to study at university, competing for top courses nationally. Previous students have gone on to study at world-class universities including the University of Cambridge, Durham and Harvard.

Values and Expectations

There is a positive learning environment in our Sixth Form which is based on clear expectations and mutual respect. Sixth Form students are expected to work and study independently, although there are opportunities for students to study with peers and staff in subject areas. The Sixth Form is part of the collegiate structure of the Academy and is integrated into the wider academic community, allowing students to participate in sporting activities and engage in the enrichment programme. Students are expected to leave Kettering Science Academy as socially confident young adults who have experienced self development in addition to excellent academic success.





Tutor Support

Sixth Form tutors are responsible for the students' academic progress. Their job is to support students to achieve their targets, nurturing them along the way. The tutor will also assist students with individualised guidance for progression from the Academy to future pathways at university, apprenticeships or in employment.

Financial Support

The 16-19 Bursary is available for students from low income families to support their education. Application forms are available from student reception. Free school meals are also available to Sixth Form students. Apply at www.northamptonshire.gov.uk

Progress Checks

Student progress and attainment is monitored four times each academic year and reported to the student and their parents/ guardians. During these periods of monitoring, students and staff will discuss their progress so far and, if necessary, intervention will be put in place to support students to achieve.

Parents' Evenings

Parents' Evenings are arranged throughout the year where progress and attainment can be discussed with their child's form tutor and subject tutors.

Opportunities

Enrichment

Academic:

Future Learn Awards

These are awards based on interesting topics in different fields run by universities.

Young Enterprise

An opportunity for students to set up and manage their own business, taking on different roles of responsibility and working with local employers.

University Taster Days

Students can opt into a variety of taster day experiences from a range of universities.

National Citizen Service

NCS gives young people a unique opportunity to develop greater confidence, self-awareness and responsibility. It encourages personal and social development by working on skills like leadership, teamwork and communication. Young people will make friends with new people and face new challenges on residential weeks. They will work with businesses and local community organisations to design and deliver a 30 hour social action project on an issue they are passionate about.

Charity Events

Students can plan, organise and run charity events for the whole school e.g. Children in Need, Sport Relief and Macmillan Cancer Support.

Librarian

Students can train as librarians and assist in the school library, running special events.

Personal:

Creative

First aid, film, music and drama clubs.

Sport

Sports clubs, sports leader's award and Duke of Edinburgh's Award.

Mentoring

Peer mentoring throughout the Academy.

Individual Work Experience

All students will complete a week long work experience placement in the summer term of Year 12. Students will be required to research and apply for their placement with support from their tutor.

Community Projects

Sixth Form students work with other year groups to plan and organise projects involving younger students and the community. The aim is to develop their social and citizenship skills while being role models for younger students at the Academy.

Head Boy and Girl

The Head Boy and Girl are elected by their peers annually. Their role is to represent the Sixth Form on the school council, attend and speak at open evenings and take on leadership roles in the Academy. They are involved in appointments to the committee teams and the teaching staff. They have a key role in the Sixth Form review. They manage and liaise with the Sixth Form committees.

Sixth Form Ambassadors

Sixth Form students have the opportunity to become an ambassador, working with staff to promote the Academy to the wider community and accompanying visitors. This role develops students' confidence and communication skills.

Preparation for the Future

Academic preparation includes visits to universities and workshops on student finance, bursaries, how to apply to university and apprenticeships. Sixth Form students also benefit from guest speakers who talk about different careers.

To develop students' life skills, Kettering Science Academy also offers workshops such as cooking, first aid and driving safety.

Destinations and courses in the last three years.

We are very proud of the destinations that all of our students go onto.

Some examples of courses and University destinations that our students have gone onto are as follows;

Veterinary

University of Nottingham

Chemical Engineering
Harvard

Medicine
University of Lancaster

Mechanical engineering
Imperial College, London

American studies and History
Nottingham University

Aeronautics and Astronautics
Southampton University

Biomedical Science
Leicester University

Maths and Natural Sciences
Durham University

Biomedical Science
Newcastle University

History
Cambridge University

Course Information



Kettering Science Academy's Sixth Form is committed to providing the most appropriate courses for our students.

Courses on offer are subject to student numbers. Detailed course information will be available to collect and discuss on the Sixth Form Presentation Evening.

Course information will also be available for viewing on the school website.



Art & Industrial Design

Art and Design: Fine Art A Level

Exam Board:
AQA

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to students who have achieved a grade 5 in an art and design endorsed subject
or
A level 2 pass in an art or design BTEC qualification

Units studied in Year 12:

Unit 1 - Students produce an extended collection of work that exemplifies aspects of their developing knowledge, skills and understanding. It should provide evidence of research, the development of ideas, creative skills and critical/contextual understanding. It should demonstrate the student's ability to sustain work from an initial starting point to a realisation.

Units studied in Year 13:

Unit 1 continued, Personal Portfolio - In their major project students develop work based on an idea, issue, concept or theme leading to a finished outcome or a series of related finished outcomes.

Personal Study - Continuous written prose of a minimum 1,000 – 3000 words connecting with an area/s of contextual investigation within the personal portfolio.

Unit 2 - Students respond to a stimulus, provided by AQA, to produce work which provides evidence of their ability to work independently within specified time constraints. They develop a personal and meaningful response which addresses all the assessment objectives and leads to a finalised outcome or a series of related finished outcomes.

Over the two year course, students will focus on building a foundation of skills that include painting and drawing, printmaking, sculpture and lens based image making.

Future Pathways:

The course will develop students' skills needed to produce a high standard of work for a portfolio, interview or degree. Students who successfully complete the qualification will be prepared to study a wide range of creative and combined degrees or complete a Foundation Diploma in Art and Design at university, experiencing different art and design disciplines that help build a portfolio for application on to a specialist Art Degree.

Art is a multi-disciplined pursuit with many potential career opportunities including arts administration, museums, education or therapy, photography, film, video, print, fashion, textile design, fine art, visual art, graphic design, illustration, performing arts, music, advertising, architecture and product design.

Design and Technology: Product Design A Level

Exam Board:
AQA

Assessment:
Coursework and
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 5 in an art and design endorsed subject
or
A level 2 pass in an art or design BTEC qualification

Units studied in Year 12:

Unit 1 - Technical principles and core designing and making principles

Unit 2 - Design and making

Units studied in Year 13:

Unit 1 - Technical principles and core designing and making principles

Unit 2 - Specialist knowledge, technical design and making principles

Unit 3 - Practice application, design and making

Future Pathways:

This course helps students take a broad view of design and technology, develops their capacity to design and make products and their appreciation of the complex relations between design, materials, manufacture and marketing. Product design encompasses a wide range of design disciplines but is firmly rooted in the skills required to design and make high quality products. Students who successfully complete this qualification will have an excellent foundation to go on study a degree in product design, graphic design, furniture design, architecture, automotive design, interior design or landscape design. Studying fashion and textiles will help prepare students for further study or working life in an increasingly demanding consumer society.



Design and Technology: Fashion and Textiles A Level

Exam Board: AQA

Assessment:
Coursework and
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 5 in an art and design endorsed subject
or
A level 2 pass in an art or design BTEC qualification

Units studied in Year 12:

This qualification places greater emphasis on iterative design and developing construction skills. Students will use their creativity and imagination to design and make prototypes that solve real and relevant problems, considering their own and others' needs, wants and values. Students will develop their practical skills studying modules in pattern drafting, garment construction, dyeing, embroidery, printing and quilting. Alongside this students will learn the theoretical knowledge of the fabrics and fibres they are working with.

Units studied in Year 13:

Student will undertake a NEA (Non-Exam Assessment). Within this students will get to build on their production skills to create their own design brief and research, design, develop and realise their own textiles product. This will make up 50% of the A level. Students will also continue with the development of their theoretical knowledge in preparation for two exams. The first in technical principles is worth 30% of the A level. The second will look at designing and making principles. This will include product analysis and commercial manufacture. This is worth 20% of the A level. Both exams will be a mix of long and short answer questions.

Future Pathways:

This course helps students take a broad view of design and technology. Students will develop their capacity to design and make products and appreciate the complex relations between design, materials, manufacture and marketing. Textiles and fashion encompasses a wide range of design disciplines but is firmly rooted in the skills required to design and make high quality products. Students who successfully complete this qualification will have an excellent foundation to go on to further study a degree in the fashion and textiles industry, fashion design, interior design, buying and merchandising. Studying fashion and textiles will help prepare students for further study or working life in an increasingly demanding consumer society.



Business

Business A Level

Exam Board:
AQA

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 5 in
GCSE business
or
A grade 5 in English
language or literature

Units studied in Year 12:

Unit 1 - Business 1 **Unit 2** - Business 2

Modules Include:

1. What is business?
2. Managers, leadership and decision-making
3. Decision making to improve marketing performance
4. Decision making to improve operational performance
5. Decision making to improve financial performance
6. Decision making to improve human resource performance

Units studied in Year 13:

Unit 1 - Business 1 **Unit 2** - Business 2 **Unit 3** - Business 3

Modules Include:

1. What is business?
2. Managers, leadership and decision-making
3. Decision making to improve marketing performance
4. Decision making to improve operational performance
5. Decision making to improve financial performance
6. Decision making to improve human resource performance
7. Analysing the strategic position of a business
8. Choosing strategic direction
9. Strategic methods: how to pursue strategies
10. Managing strategic change

Future Pathways:

This course will give students flexible routes of progression into higher education, training or employment, providing a broad background to business topics. Students who successfully complete this qualification will be prepared to study a degree in business accountancy, finance, HR management or marketing. Career pathways include accountancy, banking, management consultancy, human resources, operational research, logistics and distribution, retail, sales and marketing and events.



Business Cambridge Technical Extended Certificate

Exam Board:
OCR

Assessment:
Three Portfolio Units
and External Exam
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 4 in
GCSE business
or
A grade 4 in English
language or literature

Units studied in Year 12:

- Unit 1** - Business Environment
- Unit 2** - Working in Business
- Unit 4** - Customers and Communication

Units studied in Year 13:

- Unit 5** - Marketing and Research
- Unit 8** - Introduction to Market Research

Future Pathways:

This course will give students flexible routes of progression into higher education, training or employment, providing a broad background to business topics. Students who successfully complete this qualification will be prepared to study a degree in business accountancy, finance, HR management or marketing. Career pathways include accountancy, banking, management consultancy, human resources, operational research, logistics and distribution, retail, sales and marketing and events.



English

English Language A Level

Exam Board: AQA

Assessment:
Coursework and
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 5 in GCSE
English language

Units studied in Year 12:

Unit 1 - Language and the Individual

Unit 2 - Language Varieties

Units studied in Year 13:

Unit 1 - Language, the Individual and Society

Unit 2 - Language, Diversity and Change

Unit 3 - Independent Research Project: Language in Action

Future Pathways:

This course allows students to explore the English language, past and present, and deepens their understanding of this global communication. Students who successfully complete this qualification will be prepared to study a degree in publishing, law or advertising. Career pathways include journalism, publishing, web content manager, advertising or law.

English Literature A Level

Exam Board: AQA

Assessment:
Coursework and
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 5 in GCSE
English literature

Units studied in Year 12:

Unit 1 - Love Through the Ages: Shakespeare and Poetry

Unit 2 - Love Through the Ages: Prose

Units studied in Year 13:

Unit 1 - Love Through the Ages (A study of a Shakespeare play is compulsory)

Unit 2 - Texts in Shared Context: Modern Times

Unit 3 - Independent Critical Study: Texts across Time

Future Pathways:

This course will allow students to become critical thinkers, developing their own views and ideas. Students who successfully complete this qualification will be prepared to study a degree in journalism, education or theatre. Career pathways include media, journalism, law, theatre, education and publishing.



Expressive Arts

Drama and Theatre A Level

Exam Board:
Parson (Edexcel)

Assessment:
Coursework, External Practical Assessment and External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 4 in GCSE drama
or
A merit in BTEC drama

Units studied in Year 12:

Unit 1 - Exploration and Performance

Unit 2 - Theatre Makers in Practice

Units studied in Year 13:

Unit 1 - Devising

Unit 2 - Exploration and Performance

Unit 3 - Theatre Makers in Practice

Future Pathways:

This course is designed to allow students to showcase their individual and group performance skills and develop their devising skills to make original pieces of drama and theatre. Students who successfully complete this qualification will be prepared to study a degree in acting, theatre or stage management. Career pathways include acting, performing arts, drama, therapy and theatre.



Music Performance BTEC Level 3 National Certificate

Exam Board:
Pearson (Edexcel)

Assessment:
Externally-assessed
units, Internally-
assessed units and
Synoptic assessment

Entry Requirements:
This course is open to
students who have
achieved a grade 4 in
GCSE music
or
A merit in music BTEC
Level 2
or
A grade 4 in ABRSM or
equivalent on an
instrument

Units studied in Year 12:

You will complete two optional units.

The optional units cover the following areas:

- Composing music
- Music performance session styles
- Solo performance
- Improvising music

Units studied in Year 13:

Unit 3 - Ensemble Music Performance

Performance:

- A task set and marked by the exam board and completed under supervised conditions
- A two hour written exam
- A performance with evidence that totals between approximately half an hour and three quarters of an hour
- Written coursework and video evidence

Future Pathways:

The course develops students' performance techniques and their communication and teamwork skills while allowing them to focus on their personal vocal/instrumental technique. Students who successfully complete this qualification will be prepared to study a degree in acting, music, sound engineering or production. Career pathways include professional musician, record producing, teaching and lecturing, music journalism, arts administration and composing.

Extended Project qualification (EPQ)

EPQ

A Level

Exam Board:

AQA

Assessment:

The evidence for assessment will comprise the following:

- the completed Production Log and Assessment Record including the Project Proposal Form, Presentation Record and Candidate Record Form
- the project product including a written report (1000 -5000 words depending on the nature of the project) and any other evidence, as appropriate, depending on the topic or subject area chosen.

Entry Requirements:

5 GCSE grades of 7 or higher

Units studied in Year 12:

- Choose an area of interest and draft a project title and aims.
- Plan, research and carry out a project.
- Keep a production log of all stages of the project production, reviewing and evaluating their progress.
- Complete the project product.
- Prepare and deliver a presentation.
- Review the outcome of their project and presentation.

Future Pathways:

This course is designed to support students who applying for academic further education routes. There is sometimes the opportunity to lower the offer grades from a University if a student achieves a particular grade in the EPQ. The EPQ provides the student with the opportunity to demonstrate their passion in a particular field and use this research to demonstrate their knowledge at interviews. Highly recommended for students intending to apply for Oxbridge, medicine, veterinary and Russell group universities.



Hospitality & Catering

Hospitality & Catering BTEC Level 3 National Extended Certificate

Exam Board:
Pearson (Edexcel)

Assessment:
Coursework and
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 5 in an
art and design endorsed
subject
or
A level 2 merit in an art
or design BTEC
qualification

Units studied in Year 12:

Unit 1 - The Hospitality Industry

Unit 2 - Principals of Supervising Customer Service Performance in Hospitality, Leisure, Travel and Tourism

Unit 3 - Providing Customer Service in Hospitality

Units studied in Year 13:

Unit 1 - The Hospitality Industry

Unit 2 - Principals of Supervising Customer Service Performance in Hospitality, Leisure, Travel and Tourism

Unit 3 - Providing Customer Service in Hospitality

Optional units may include:

- Marketing for Hospitality
- Food Service Organisation
- Personal Selling and Promotion Skills for Hospitality and Event Organisation

Future Pathways:

The course develops students' general understanding of the hospitality industry, helping students gain confidence in customer service and financial controls. Students who successfully complete this course will be prepared to study a degree in hospitality with events management, hospitality business management, hospitality and tourism management, food and nutrition, service section management or international hospitality management. Career pathways include concierge, event planner, hotel manager, chef or housekeeper.

Humanities

Geography

A Level

Exam Board:
AQA

Assessment:
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE geography
or
A grade 6 in science
or
A grade 6 in another humanities subject

Units studied in Year 12:

Unit 1 - Physical Geography: Water and carbon cycles, coastal systems, landscapes and hazards

Unit 2 - Human Geography and Geography Field-work Investigation: Changing places and fieldwork investigation and geography skills

Unit 3 - Geographical Investigation

Units studied in Year 13:

Unit 1 - Physical Geography: Water and carbon cycles, coastal systems, landscapes and hazards

Unit 2 - Human Geography: Global systems and global governance, changing places and either contemporary urban environments or population and the environment or resource security

Unit 3 - Geography Fieldwork Investigation

Students complete an individual investigation which must include data collected in the field. The investigation must be based on a question or issue defined and developed by the student relating to any part of the specification content.

Future Pathways:

This course opens a number of routes due to the investigative nature of the subject which encourages time management, development of data collecting and presenting techniques. Students who successfully complete this qualification will be prepared to study a degree in geography or environmental planning. Career pathways include advertising, education, environmental management, finance, law, marketing, retail, sales, social/health services and urban planning.

History

A Level

Exam Board: AQA

Assessment:
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE history
or
A grade 5 in GCSE English language or literature
or
A grade 6 in another humanities subject

Units studied in Year 12:

Unit 1 - The quest for political stability 1871 - 1929

Unit 2 - Building a new Britain 1951 - 1979

Units studied in Year 13:

Unit 1 - The quest for political stability 1871 - 1991

Unit 2 - The making of modern Britain 1951 - 2000

Unit 3 - Historical investigation covering 100 years on a topic that does not overlap any other units studied (3000-3500 words)

Future Pathways:

This course is well-respected with higher education institutions and employers due to the range of skills students develop including analysis, debate, evaluation, time management and independent research. Students who successfully complete this qualification will be prepared to study a degree in history, archaeology or politics. Career pathways include business, law, archaeology, politics, accountancy, teaching and specialist historical jobs such as museum curator or archivist.



Information Technology

Computer Science A Level

Exam Board: OCR
Assessment: Coursework and External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE IT or A grade 5 in Computing

Units studied in Year 12:

- Unit 1** - Computing Principles
- Unit 2** - Algorithms and Problem Solving

Units studied in Year 13:

- Unit 1** - Computer Systems
- Unit 2** - Algorithms and Problem Solving
- Unit 3** - Independent Project

Future Pathways:

This course will develop students' creativity, analytical and problem solving skills, which are highly valued by universities and employers. Students who successfully complete this qualification will be prepared to study a degree in computer science, engineering, games design or information science. Career pathways include computer programming, games design, engineering, IT specialism, software developing and web design.

IT Cambridge Technicals Diploma

Exam Board: OCR
Assessment: Three Portfolio Units and External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 4 in GCSE IT or A grade 4 in Computing

Units studied in Year 12:

- Unit 1** - Fundamentals of IT
- Unit 2** - Global Information
- Unit 7** - Data Analysis and Design

Units studied in Year 13:

- Unit 8** - Project Management
- Unit 9** - Product Development

Future Pathways:

This course will develop students' creativity, analytical and problem solving skills, which are highly valued by universities and employers. Students who successfully complete this qualification will be prepared to study a degree in computer science, engineering, games design or information science. Career pathways include computer programming, games design, engineering, IT specialism, software developing and web design.

Maths

Maths A Level

Exam Board:
Edexcel

Assessment:
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE maths

Units studied in Year 12:

Unit 1 - Pure Mathematics

Unit 2 - Statistics and Mathematics

Units studied in Year 13:

Unit 1 - Year 12 content

Unit 2 - Pure Mathematics and content not studied in Year 12

Unit 3 - Statistics and Mechanics

Future Pathways:

This course will teach students how to plan and process logically, to interpret the world around them in a factual way and improve their problem solving skills. Students who successfully complete this qualification will be prepared to study a degree in engineering, accountancy or architecture. Career pathways include quantity surveying, financial services and banking.

Further Maths A Level

Exam Board:
Edexcel

Assessment:
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 7 in GCSE maths (You must also choose A level maths)

Units studied in Year 12:

Unit 1 - Further Pure 1

Unit 2 - Further Applied Mathematics (Choice of Decision, Further Mechanics or Further Statistics)

Units studied in Year 13:

Unit 1 - As for Year 12

Unit 2 - Further Pure 2

Unit 3 - Further Applied 2 (An additional paper from Year 12)

Future Pathways:

This course will teach students how to plan and process logically, to interpret the world around them in a factual way and improve their problem solving skills. Students who successfully complete this qualification will be prepared to study a degree in engineering, accountancy or architecture. Career pathways include quantity surveying, financial services and banking.

AQA Certificate Level 3 Mathematical Studies

Exam Board:
AQA

Assessment:
External Exam in June

Entry Requirements:
Minimum of grade 5 in GCSE Mathematics

Units studied in Year 12: Unit 1

- Analysis of data
- Maths for personal finance
- Estimation

Units studied in Year 13: Unit 2A: Statistical techniques

- Critical analysis of data models
- The normal distribution
- Probabilities and estimation
- Correlation and regression

Future Pathways:

This course is designed to support students not taking A level mathematics but who wish to develop their skills beyond GCSE. This course will support any further career in which mathematics could be used to analyse or solve problems. This could include accounting, finance and teaching. Studying mathematics alongside essay subjects can help keep your options open for jobs, apprenticeships and university course.



Media

Media A Level

Exam Board:
Eduqas

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 5 in
GCSE media

or
A grade 5 in English
language
or
A grade 5 creative
subject such as art and
photography

Units studied in Year 12:

Core content –

1. Media Language
2. Media Representation
3. Media Industries
4. Media Audiences

Unit 1 - All areas of the theoretical framework and understanding of the media products students have engaged with

Unit 2 - Creating a Media Product

Units studied in Year 13:

Unit 1 - Issues and Debates in the Media

Unit 2 - Case Study Products

Unit 3 - Creating a Media Product

Future Pathways:

This course enables students to demonstrate their creative and technical competence with new digital media whilst also allowing them the autonomy to design and create features which reflect their own media tastes. Students who successfully complete this course will be prepared to study a degree in film production, illustration, journalism, marketing, media, communications or photography. Career pathways include publishing, broadcasting, TV and film, advertising, marketing and journalism as well as the gaming industry.



Modern Foreign Languages

French/ German A Level

Exam Board:
Edexcel

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 6 in
GCSE French or German

Units studied in Year 12:

Students will be assessed on their listening, reading, writing and speaking skills.

Theme 1 - Social developments in France or Germany

Theme 2 - Political and artistic culture in German or French speaking countries

Theme 3 - Immigration and multicultural society

Theme 4 - 20th Century history linked to the country of the target language:

German - Reunification of Germany

French - The occupation and resistance in France

Units studied in Year 13:

The study of a French or German novel and film.

Future Pathways:

This course allows students to gain invaluable language skills which enhance employment prospects in a variety of careers, both in Europe and further afield. Students who successfully complete this course will be prepared to study a degree or combined degree in French/German. Career pathways include travel, tourism, teaching, interpreting and translation.

Physical Education

Physical Education A Level

Exam Board: AQA

Assessment:
Coursework and
External Exams in June

Entry Requirements:
This course is open to
students who have
achieved a grade 5 in
GCSE PE
or
A grade 5 in biology

Units studied in Year 12:

Unit 1 - Factors affecting participation in physical activity and sport

Unit 2 - Non-exam assessment: Practical performance in physical activity and sport

Units studied in Year 13:

Unit 1 - Factors affecting participation in physical activity and sport

Unit 2 - Factors affecting optimal performance in physical activity and sport

Unit 3 - Non-exam assessment: Practical performance in physical activity and sport

Future Pathways:

This course will develop students' body awareness, teamwork, communication and leadership skills. Students who successfully complete this course will be prepared to study a degree in sport studies and business, sport psychology, sports education and special and inclusive education and sport and exercise science. Career pathways include sports scientist, physiotherapist or working for a national governing body.



Physical Education Cambridge Technical

Exam Board:
OCR

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to
students who have
achieved a grade 4 in
GCSE PE

Units studied in Year 12:

Unit 1 - Body System and the Effect of Physical Activity

Unit 2 - Sports Coaching and Activity Leadership

Unit 3 - Sport Organisation and Development

Unit 5 - Performance and Analysis in Sport and Science

Unit 8 - Organisation of a Sports Event

Units studied in Year 13:

Unit 1 - Body System and the Effect of Physical Activity

Unit 2 - Sports Coaching and Activity Leadership

Unit 3 - Sport Organisation and Development

Unit 5 - Performance and Analysis in Sport and Science

Unit 8 - Organisation of a Sports Event

Future Pathways:

This course will develop students' body awareness, teamwork, communication and leadership skills. Students who successfully complete this course will be prepared to study a degree in sport studies and business, sport psychology, sports education and special and inclusive education and sport and exercise science. Career pathways include sports scientist, physiotherapist or working for a national governing body.



Science

Biology A Level

Exam Board:
OCR

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE combined science and a grade 5 in maths
or
A grade 6 in biology and a second science and a grade 5 in maths

Units studied in Year 12:

- Unit 1** - Development of Practical Skills in Biology
- Unit 2** - Foundations in Biology
- Unit 3** - Exchange and Transport
- Unit 4** - Biodiversity, Evolution and Disease

Units studied in Year 13:

- Unit 1** - Development of Practical Skills in Biology
- Unit 2** - Foundations in Biology
- Unit 3** - Exchange and Transport
- Unit 4** - Biodiversity, Evolution and Disease
- Unit 5** - Communication, Homeostasis and Energy
- Unit 6** - Genetics, Evolution and Ecosystems

Future Pathways:

This course allows students to develop excellent practical, organisational, observational and investigative skills. Students who successfully complete this course will be prepared to study a degree in biological sciences, medicine, chemistry, biomedical science, forensic science, midwifery or psychology. Career pathways include research, teaching and lecturing, biotechnology, nursing, agriculture, physiotherapy, pharmaceutical practice, dentistry, veterinary science and the medical profession.



Chemistry A Level

Exam Board:
OCR

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE combined science and a grade 5 in maths **or** A grade 6 in chemistry and a second science and a grade 5 in maths

Units studied in Year 12:

- Unit 1** - Development of Practical Skills in Chemistry
- Unit 2** - Foundations in Chemistry
- Unit 3** - Periodic Table and Energy
- Unit 4** - Core Organic Chemistry

Units studied in Year 13:

- Unit 1** - Development of Practical Skills in Chemistry
- Unit 2** - Foundations in Chemistry
Atoms, Compounds, Molecules and Equations, Amount of Substance, Acid–Base and Redox Reactions, Electrons, Bonding and Structure.
- Unit 3** - Periodic Table and Energy
The Periodic Table and Periodicity, Group 2 and the Halogens, Qualitative Analysis, Enthalpy Changes, Reaction Rates and Equilibrium (qualitative).
- Unit 4** - Core Organic Chemistry
Basic Concepts, Hydrocarbon, Alcohols and Halo Alkanes, Organic Synthesis Analytical Techniques (IR and MS).
- Unit 5** - Physical Chemistry and Transition Elements
Reaction Rates and Equilibrium (quantitative), pH and Buffers, Enthalpy, Entropy and Free Energy, Redox and Electrode Potentials, Transition Elements.
- Unit 6** - Organic Chemistry and Analysis

Future Pathways:

This course develops students' observational, investigative and problem solving skills while developing a creative mind. Students who successfully complete this course will be prepared to study a degree in biochemistry, chemical engineering, chemistry or medicine. Career pathways include chemistry, pharmacology, biochemistry, law and the healthcare profession.



Physics A Level

Exam Board:
OCR

Assessment:
External Assessment
in June

Entry Requirements:
This course is open to students who have achieved a grade 6 in GCSE combined science and a grade 5 in maths
or
A grade 6 in physics and a second science and a grade 5 in maths

Units studied in Year 12:

- Unit 1** - Development of Practical Skills in Physics
- Unit 2** - Foundations of Physics
- Unit 3** - Forces and Motion
- Unit 4** - Electrons, Waves and Photons

Units studied in Year 13:

- Unit 1** - Development of Practical Skills in Physics
Skills of Planning, Implementing, Analysis and Evaluation
- Unit 2** - Foundations of Physics
Physical Quantities and Units, Scalars and Vectors, Measurements
- Unit 3** - Forces and Motion
- Unit 4** - Electrons, Waves and Photons
Charge and Current, Energy, Power and Resistance, Electrical Circuits, Waves and Quantum Physics
- Unit 5** - Newtonian World and Astrophysics
Thermal Physics, Circular Motion, Oscillations, Gravitational Fields and Astrophysics
- Unit 6** - Particles and Medical Physics
Capacitors, Electric Fields, Electromagnetism, Nuclear and Particle Physics, Medical Imaging

Future Pathways:

This course develops students' problem solving and mathematical skills. Students who successfully complete this course will be prepared to study a degree in astrophysics, biomedical engineering, engineering or physics. Career pathways include engineering, coastal scientists, pyrotechnics, astrophysicists, computer game design and weather forecasting.

Social Science

Children's Play, Learning and Development BTEC Level 3

Exam Board:
Edexcel

Assessment:
Portfolios and External Assessment in June

Entry Requirements:
This course is open to students who have achieved a grade 4 in GCSE maths and English language or literature

Health & Social Care BTEC Level 3 National Extended Certificate

Exam Board:
Pearson (Edexcel)

Assessment:
Coursework and External Assessment in January/June

Entry Requirements:
This course is open to students who have achieved a grade 4 in GCSE maths and English language or literature

Units studied in Year 12:

Unit 1 - Child Development

Unit 2 - Health & Safety in Early Years Settings

Unit 3 - Play & Learning

Units studied in Year 13:

Unit 4 - Safeguarding in Early Years

Unit 5 - Meeting Children's Physical Development, Physical Care and Health Needs

Unit 6 - Observation, Assessment & Planning

Future Pathways:

This course will allow students to develop communication, theory and practical skills. Students who successfully complete this course will be prepared to study a degree in early years, early childhood studies, conductive education, social work or primary education. Career pathways include social work, family support, primary education and pre-school teaching.

Units studied in Year 12:

Unit 1 - Human Lifespan Development

Unit 14 - Physiological Disorders and Their Care

Units studied in Year 13:

Unit 2 - Working in Health and Social Care

Unit 5 - Meeting Individual Care and Support Needs

Future Pathways:

The course develops students' understanding of human behaviour patterns, the organisational structures in the health and care sector and ethics, rights and responsibilities. Students who successfully complete the qualification will be prepared to study a degree in counselling, social work or nursing. Career pathways include social work, charity work, civil services, counselling, lecturing, healthcare and local government administration.

Psychology A Level

Exam Board:
AQA

Assessment:
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 5 in GCSE combined science, maths and English language or literature
or
A grade 6 in biology, grade 5 in maths and English language or literature

Units studied in Year 12:

Unit 1 - Introductory Topics in Psychology: Social Influence, Memory, Attachment

Unit 2 - Psychology in Context: Approaches in Psychology, Psychopathology, Research Methods

Units studied in Year 13:

Unit 1 - Introductory Topics in Psychology: Social Influence, Memory, Attachment, Psychopathology

Unit 2 - Psychology in Context: Approaches in Psychology, Biopsychology, Research Methods

Unit 3 - Issues and Options in Psychology: Issues and Debates in Psychology, Relationships, Schizophrenia, Aggression

Future Pathways:

This course develops students' critical thinking, analysis, research and communication skills. Students who successfully complete this course will be prepared to study a degree in an area of psychology including cognitive, developmental, clinical, criminal or social. Career pathways include counselling, education, healthcare, social work, the Police Force and the NHS.

Sociology A Level

Exam Board:
AQA

Assessment:
External Exam in June

Entry Requirements:
This course is open to students who have achieved a grade 5 in GCSE combined science, maths and English language or literature

Units studied in Year 12:

- Families and Household
- Education
- Research Methods

Units studied in Year 13:

- Crime and Deviance
- Beliefs in Society
- Theory and Methods

Future Pathways:

This course develops students' critical thinking, analysis, research and communication skills. Students who successfully complete this course will be prepared to study a degree in sociology or social work. Career pathways include family support, research and social work.

Public Services

Public Services BTEC Level 3 Certificate

Exam Board:
Pearson (Edexcel)

Assessment:
Coursework and
External Assessment in
January/June

Entry Requirements:
This course is open to
students who have
achieved a grade 4 in
GCSE Maths and English
language or literature

Units studied:

Compulsory unit

Government policies and the public services

Optional units may include

Unit 2 - Leadership and teamwork in the public services

Unit 9 - Outdoor and adventure expeditions

Unit 12 - Crime and its effect on society

Unit 17 - Police powers in the public services

Future Pathways:

The practical course prepares students for working in the public services. Students gain a greater understanding of the public services whilst developing key teamwork, leadership and communication skills. Students who successfully complete this qualification will be prepared to study a degree in policing or paramedic science. Career pathways include the paramedic, police and fire services.

Law

Law A Level

Exam Board:
OCR

Assessment:
External Exam in June

Entry Requirements:
This course is open to
students who have
achieved a grade 6 in
GCSE English language
or literature

Units studied in Year 12:

Unit 1 - The Legal System and Criminal Law

Unit 2 - Law Making and the Law of Tort

Unit 3 - Further Law – Human Rights or Contract Law

Units studied in Year 13:

Unit 1 - The Legal System and Criminal Law

Unit 2 - Law Making and the Law of Tort

Unit 3 - Further Law – Human Rights or Contract Law

Future Pathways:

The course develops students' written, communications, research and problem solving skills. Students who successfully complete this course will be prepared to study a degree in law, social work, journalism, policing or accountancy. Career pathways include solicitor, barrister, lawyer, legal executive, accountant, journalist, police officer and social worker.

Notes



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