

MCA⁶

Mildenhall College Academy
Sixth Form Centre



Mildenhall College
ACADEMY



Prospectus
September 2019

MCA⁶

Mildenhall College Academy Sixth Form

"Students have high aspirations and they speak with passion about how much they appreciate the work of the sixth form leader and of their teachers and mentors, many of whom offer academic support outside of normal lesson times. Attendance is high. Students feel safe, secure and well cared for.Students are clear that the sixth form prepares them well for life as independent adults." **OFSTED March 2015**

We look forward to helping you make the next step towards a successful future.



Mrs K Sanders-Pope
Director of Sixth Form, Assistant Principal

Thank you for your interest in **MCA⁶**. We know that you will be excited to see the world of possibilities that our Sixth Form can offer you.

Do come and visit us on our Open Evening. This will take place on Wednesday 7th November from 6.30p.m. - 8.45p.m.

If you are unable to visit the Open Evening, please feel free to telephone or email to arrange a visit to talk about the opportunities available at **MCA⁶**

MCA⁶ is a unique Sixth Form environment, situated in a modern educational establishment that offers a range of A-Level and Applied General subjects.

The Sixth Form years are important stepping stones from childhood to adulthood; consequently as an academy we offer a rounded experience that supports students in this transition.

Mentoring

At **MCA⁶** all our students have a mentor who they meet weekly. Mentors review the students' academic achievements, set targets to support progression and discuss wider, relevant issues.

"The mentoring programme has helped students to develop their study skills and to prioritise their time. The impact of this is evident in the maturity with which students manage their learning and make use of independent learning time."

OFSTED March 2015.

Enrichment Opportunities:

- Visits to universities
- Work Experience
- Sports Leadership
- Prefect Team
- Mindfulness Club
- Film Club
- Peer mentoring
- International Visits

Countdown to Sixth Form

Taster Day:

All students that have applied to **MCA⁶** will be invited to a taster day on Wednesday 12th December so they can experience life as a **MCA⁶** student.

Sixth Form Team interviews:

All prospective **MCA⁶** students, meet with a member of the academy's leadership team or a specialist Sixth Form teacher to discuss their plans for post 16 education.

Induction Day:

On 2nd July 2018 students will be invited back to **MCA⁶** to be inducted into the Sixth Form.

Results Day in August:

Members of the academy's leadership team will be available to offer advice and guidance after receiving their GCSE results.

Enrolment Day:

Students will be invited to attend our Enrolment Day at the start of September to finalise subject choices prior to commencing their Sixth Form studies.

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Red 'A level' Pathway Level 3 Requiring four '5' grades and above at GCSE in different subjects (Red and Blue pathway subjects may be taken together)	9 11 12 15 16 19 21 23 24 25 26 28	Biology Chemistry Computer Science DT Product Design English Literature Further Mathematics History Mathematics Media Studies Modern Foreign Languages Music Physics	29 30 17	Psychology Sociology Extended Project
Blue 'Applied' Pathway Level 3 Requiring five '4' grades and above at GCSE in different subjects	5 6 7 9 10 13 14 18	Applied Science Art and Design - Fine Art Art and Design - Photography Art and Design - Fashion Business Studies Criminology Dance Food Science & Nutrition	20 22 27	Health and Social Care IT Performing Arts Sports Studies Maths GCSE English GCSE

Re-sit courses in GCSE English and Maths are compulsory for students failing to achieve grade 4 or above.

For those students who have enjoyed Science at GCSE this course allows a more in depth look at topics across the three Science disciplines.

In the first year students will develop their practical skills in a wide range of experimental work. They will analyse and evaluate their own progress in that practical work through a series of assignments.

Students will learn about key concepts in Biology, Chemistry and Physics through theory based lessons for the examination element.

In the second year students will further develop their practical skills as well as completing another assignment based unit.

The course is based on up-to-date content and allows learners to develop the knowledge, understanding, skills and attributes required in the sector.

**Qualification:**

BTEC Level 3 Extended Certificate in Applied Science

Assessment: 2 internally assessed and externally moderated units. One externally set examined unit and one practical based externally set task.

Progression Route: University, apprenticeship or employment in science, healthcare or laboratory based work.

Web link: <http://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-2016.html#tab-1>

For more information of this course or entry requirements please contact: Mrs Briggs Hunter

Students are given an art and design brief which involves solving a problem, producing a body of work for an exhibition or a piece for a client.

Students are encouraged to experiment with a wide range of materials, techniques and processes to develop their own skills. The process when working towards a final piece involves: researching artists, researching how communication and meanings behind the work of others is the driving force for artists and designers, gathering primary research through photography and educational visits, producing work that is inspired by their research and experimenting with materials and techniques including printmaking, painting, ceramics and sculpture. Students are shown various methods of manufacture and will produce final pieces that fulfil the design brief. Students' work is then exhibited in the Sixth Form summer show.

The Art suite offers personal study booths where students can work in their own time. The programme is coursework based with externally set controlled assessments. Students will complete a variety of mandatory units, exam units plus specialist units in the student's personal area of study.

Course Requirements: Students are required to purchase their own sketchbook, an A1 and A2 portfolio, basic equipment such as pencils, rubbers and rulers and any specialist materials students may require for their own work. The academy provides: paper, paints, printmaking materials, clay etc.



Qualification:

BTEC Level 3 Extended Certificate = 1 A level,
National Diploma = 2 A Levels or
Extended Diploma = 3 A levels

Assessment:

Extended Certificate = 50% coursework 50% Exam
National Diploma = 62.5% coursework 37.5% Exam
Extended Diploma = 66.5% coursework 33.5% Exam

Progression Route: University, apprenticeship or employment in art, design or the creative industries.

Web link: <http://qualifications.pearson.com/en/qualifications/btec-nationals/art-and-design-2016.html#tab-1>

For more information of this course or entry requirements please contact: Mr Daniels.

Art and Design - Photography

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Students are given an art and design brief which involves solving a problem or producing a piece for a client. Students are encouraged to experiment with a wide range of materials, techniques and processes to develop their own skills. The process when working towards a final piece involves: researching artists, gathering primary research through photography and educational visits, producing work that is inspired by their research and experimenting with materials and techniques including developing film in the darkroom, studio lighting and Photoshop editing techniques. Students are shown various methods of manufacture and will produce final pieces that fulfil the design brief.

The Art suite offers personal study booths where students can work in their own time. The programme is coursework based with externally set controlled assessments. Students will complete a variety of core mandatory units, exam units plus specialist units in the student's personal area of study.

Course Requirements: Students are required to purchase their own sketchbook, a A1 and A2 portfolio, basic equipment such as pencils, rubbers and rulers and any specialist materials students may require for their own work. The academy provides: paper, colour printing, art materials and dark room paper. The academy has a set of cameras to use inside lesson time.



Qualification:

BTEC Level 3 Extended Certificate = 1
A level, National Diploma = 2 A Levels or
Extended Diploma = 3 A levels

Assessment:

Extended Certificate = 50% coursework 50%
Exam
National Diploma = 62.5% coursework 37.5%
Exam
Extended Diploma = 66.5% coursework
33.5% Exam

Progression Route: University,
apprenticeship or employment in art, design
or the creative industries.

Web link: <http://qualifications.pearson.com/en/qualifications/btec-nationals/art-and-design-2016.html#tab-1>

For more information of this course or entry requirements please contact: Mr Daniels.



"The UK fashion industry, contributes an estimated £26 billion to the UK economy each year supporting 880,000 jobs within the creative sector." (Source: Oxford Economics 2013)."

Students studying fashion are given scenarios that fashion designers would meet in industry. This could be designing garments inspired by catwalk research and drafting the patterns to make them. Varied tasks and outcomes mean that students try fashion illustration, garment construction and pattern drafting.

The Fashion students benefit from a dedicated room at **MCA⁶**, equipped with Janome sewing machines, pattern cutting table, CAD sewing machine, embellisher machine and mannequins. **MCA⁶** will supply students with pattern paper, basic haberdashery items and calico for toile (practice garment) making. Students' work will be exhibited at the end of year Summer Art Show.

Fashion students are also able to work in the Art study room, which has individual booths for students to personalise and work in during their study periods.

Students will need to purchase their own sketchbooks and portfolios. Their final garments can be made from fabric that students source locally, online or recycled from existing clothing.



Qualification:

BTEC Level 3 Edexcel

Assessment:

- Extended certificates have 4 units; 2 externally assessed units and 2 internally assessed units. Equivalent to 1 A level.
- National Diplomas have 8 units; 5 externally assessed units and 3 externally assessed units. Equivalent to 2 A levels.
- Extended diplomas have 12 units; 4 externally assessed units and 8 internally assessed units. Equivalent to 3 A levels.

Progression Route: University, apprenticeship or employment in fashion or the creative industries.

Web link: <http://qualifications.pearson.com/en/qualifications/btec-nationals/art-and-design-2016.html>

For more information of this course or entry requirements please contact: Mr Daniels.

For those students who have enjoyed Biology at GCSE this course allows a more in depth look across a range of topics.

In the first year, students will study topics which will build on GCSE knowledge. These include biological molecules, cells, organisms exchange mechanisms and genes. In the second year topics will include energy transfers, organisms responses, genetics and populations and control of gene expression.

Throughout the course students will develop their practical skills and will be assessed on this on a regular basis. The practical work will enhance their understanding of key concepts covered within the theory lessons.



Qualification:

A Level

Assessment: 3 written examinations at the end of Year 13. Assessment of practical skills throughout the course.

Progression Route: University, apprenticeship or employment in science, healthcare or laboratory based work.

Web link: <http://www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402/specification-at-a-glance>

For more information of this course or entry requirements please contact: Mrs Ackland

The focus of the Business Studies course is to develop a foundation of skills, knowledge and understanding required for the 21st century. The course covers a wide range of topics. A variety of assessment techniques will be used including written examinations, presentations, role plays and coursework assignments.

The course follows the specialist pathway of marketing. The students will learn by applying their skills, knowledge and understanding to tasks and activities that are relevant in business. Key skill development will be in communication, team work, planning and organisation. Work experience is offered to all Year 12 students so students can apply their skills and knowledge in a contextual setting.

Cambridge Technicals are designed to help students to prepare to meet the expectations of employers and develop entrepreneurial skills. Level 3 students may progress to study a range of courses at university or enter their chosen career. Options include banking, administration, retail, IT, marketing, human resources, law or management.



Qualification:

Cambridge Technical Level 3 (2016 suite)
Extended Certificate in Business
Cambridge Technical Level 3 (2016 suite)
Diploma in Business

Assessment: External and Internal assessment.

- Extended Certificate in Business:
2 external examinations
- Diploma in Business:
4 external examinations and 6 coursework units

Progression Route: University, apprenticeship or employment in the business sector.

Web link: <http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-business-level-3-certificate-extended-certificate-foundation-diploma-diploma-05834-05837-2016-suite/>

For more information on this course or entry requirements please contact: Mrs Willingham

Why Study Chemistry? The answer is simple - Chemistry underpins everything in our modern life-style. For example it is Chemistry that enables us to convert crude oil into petrol, plastics and fibres. Chemistry invented Nylon, Terylene and Lycra. It makes vital medicines, creates fertilisers, purifies water and monitors our seas and atmosphere for pollutants.

The range of careers available to someone with a Chemistry qualification is greater than with most other qualifications. The chemical and pharmaceutical industries are two of the largest employers in the manufacturing industries. Chemists are also employed in related areas such as Biotechnology and Electronics.

Chemistry, can lead to many other disciplines; many employers recognise the value of skills developed in this subject, such as logical thought, numerical and communication skills and the general education that a Chemistry course provides.



Qualification:
AQA A level Chemistry

Assessment: 3 final exam papers

Progression Route: University, apprenticeship or employment in science, medicine, veterinary, healthcare or laboratory based work.

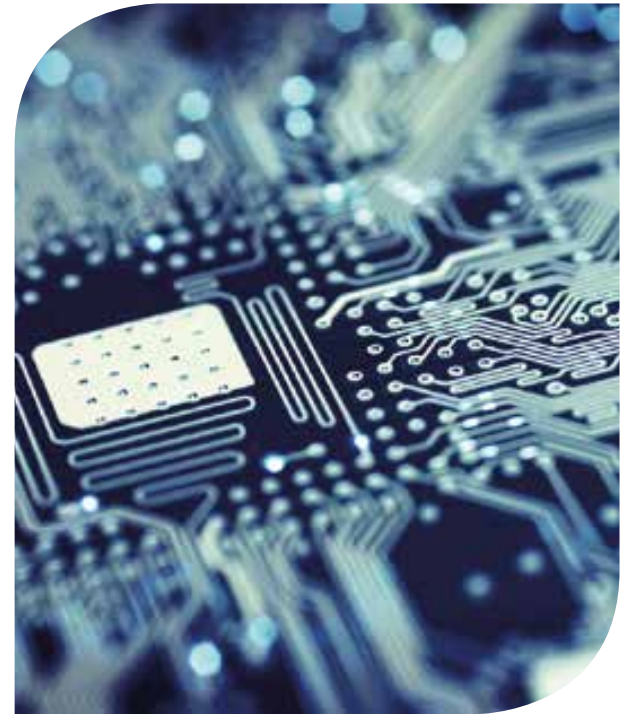
Web link: www.aqa.org.uk

For more information of this course or entry requirements please contact: Mrs Wetton

The Computer Science course is designed to give you a secure understanding of how computers work and to further develop your problem-solving skills. Whilst studying this course you will develop your ability to think logically, abstractly and procedurally. You will further your understanding of how computers affect society and you will start to gain an understanding of how computers use Boolean logic.

This course links closely with Mathematics so students should have robust Mathematical skills or be studying A-Level Mathematics.

The course is broken down into three sections (two for AS), Component 1 looks at the hardware, software and other computing fundamentals. Component 2 looks at students understanding of algorithms and Component 3 is a programming project to solve a real world problem.



Qualification:
OCR A Level

Assessment: Coursework and final examinations

Progression route: University, apprenticeship or employment in computer science, IT or related industries.

Web link: <http://www.ocr.org.uk/qualifications/beta/as-a-level-gce-computer-science-h046-h446-from-2015/>

For more information on this course or entry requirements please contact: Mr Sexton

Criminology is the scientific study of the nature, extent, management, causes, control, consequences and prevention of criminal behaviour, both on individual and social levels. Criminology is an interdisciplinary field in both the behavioural and social sciences, drawing especially upon the research of Sociologists, Psychologists and Philosophers. This is an exciting course which allows students to gain a wealth of new knowledge linked to the criminal justice system and theories and concepts relating to the cause of crime. Students will have the opportunity to acquire both practical and academic skills through applied learning such as crime scene analysis. There is also practical input from visiting practitioners in the criminal justice sector. Units studied over the two years are:

- Unit 1: Changing awareness of crime
- Unit 2: Criminological theories
- Unit 3: Crime scene to courtroom
- Unit 4: Crime and punishment

The course will equip students with a range of transferable skills such as research, independent working, time management and problem solving. Students will also develop their skills of analysis, evaluation and application of knowledge.



Qualification:

WJEC Level 3 Diploma in Criminology.
CBAC

Assessment:

- 4 Units over two years.
- Units 1 and 3 are assessed through controlled assessment, internally assessed and externally moderated.
- Units 2 and 4 are assessed through external exams.

Progression Route: University, apprenticeship or employment in a range of areas including criminology, the social sciences and law.

Web link: <http://www.wjec.co.uk/qualifications/criminology/>

For more information of this course or entry requirements please contact: Mr Smith

Dance is the perfect course to develop expression, creativity and confidence. Anyone with a passion or enthusiasm for dance or a career in performing arts would enjoy and embrace the opportunities offered by this course.

Students will study a range of dance styles in our purpose built dance studio learning the techniques and skills required as a dancer. They will also learn about dance appreciation and study a wide variety of professional works by established choreographers to widen their understanding and knowledge of dance in the performing arts world.

Students will complete four units over the two year period with the expectation of performing in several academy shows within this time. Students will develop an understanding of choreography and performance skills, as well as other elements of performing arts such as design roles, technical roles and management. Students will also participate in workshops to help aid their development of skills and techniques and improve their dance ability.

**Qualification:**

Pearson BTEC National Extended Certificate in Performing Arts (Dance).

Assessment: 4 units

2 internally assessed, 2 externally assessed.

Progression Route: University, apprenticeship or employment in dance, sport or the creative industries.

Web link: <http://qualifications.pearson.com/en/qualifications/btec-nationals/performing-arts-2016.html#tab-1>

For more information of this course or entry requirements please contact: Miss A Morley

This creative and thought-provoking qualification gives students the practical skills, theoretical knowledge and confidence to succeed in a number of careers especially those in the creative industries. You will investigate historical, social, cultural, environmental and economic influences on design and technology, whilst enjoying opportunities to put your learning in to practice by producing prototypes of your choice.

Students will gain a real understanding of what it means to be a designer, as well as acquiring the knowledge and skills sought by higher education and employers.



Qualification:
AQA A Level

Assessment: Two examinations worth 50% and 50% coursework.

Paper 1:

- Written exam: 2.5 hours
- 120 marks
- 30% of A-level

Paper 2

- Written exam: 1.5 hours
- 80 marks
- 20% of A-level

Progression Route: University, apprenticeship or employment in design or the creative industries.

Web Link: <http://www.aqa.org.uk/subjects/design-and-technology>

For more information of this course or entry requirements please contact: Mr M. Daniels

English Literature is an opportunity to read widely and participate in class discussions and debates as well as writing essays. The A-level texts are: Shakespeare's *Othello*, Miller's *Death of a Salesman* and Hardy's *Tess of the D'Urbervilles*. For these we are focusing on the element of tragedy. Students will also study Crace's *Harvest*, Blake's *Songs of Innocence and Experience* and Shakespeare's *Henry IV Part 1* where we will consider elements of political and social protest.

In addition there will be coursework consisting of two essays: one on T S Eliot's poetry and one independent choice. Both of these texts will be studied in conjunction with an anthology of Critical Theory.



Qualification:

AQA A Level English Literature. Syllabus B

Assessment: Two written examinations. One closed book exam 40%, one open book exam 40% and coursework 20%

Progression Route: University, apprenticeship or employment in range of areas including English, humanities and law.

Web Link: <http://www.aqa.org.uk/subjects/english/as-and-a-level/english-literature-b-7716-7717>

For more information on this course or entry requirements please contact: Dr Warren

The Extended Project Qualification allows students to select an area of personal interest and complete an investigation into that subject.

The project develops organisational, project management and independent learning skills which will be of considerable benefit to students as they progress through their Sixth Form studies.

The Extended Project is worth half an A Level in terms of UCAS points but whether you are considering university or employment the Extended Project will help you to stand out from the other applicants, particularly if you choose a topic which complements your plans for the future.



Qualification: EPQ AQA

Assessment: 100% coursework

Progression Route: University, apprenticeship or employment in any sector.

Web Link: <http://www.aqa.org.uk/subjects/projects/aqu-artifcate/epq-7993>

For more information of this course or entry requirements please contact: Mrs Sanders Pope

18 Food Science and Nutrition

If you enjoy food, fitness and science this is a course which is sought after by employers and universities. The University of Reading states, "We want to recruit good scientists with a keen interest in food or nutrition science". The Food Science and Nutrition course enables students to develop their understanding of nutrition and the science behind food.

While studying this course you will learn about nutrition and it's uptake by the body, how exercise and fitness influence the body's ability to function and last but not least organisation and timing. You will learn about a wide range of cooking techniques culminating in a three course meal cooked by you.



Qualification:

Food Science and Nutrition level 3 Diploma
Welsh board

Assessment: Written exam 90 minutes 50%
Coursework 50%
Two coursework units
One practical investigation
One practical exam (3 course meal)

Progression Route: University, apprenticeship or employment in food science, nutrition, science or healthcare.

Web Link: <http://www.wjec.co.uk/qualifications/food-science-and-nutrition/food-science-and-nutrition-level-3-from-2015.html>

For more information of this course or entry requirements please contact: Mrs S Peacock

If you really enjoy Mathematics or you wish to study a Mathematics, Physics or Engineering course at university then you should consider studying Further Mathematics. You will need a grade 7 or above in GCSE Mathematics and must be willing to spend much of your spare time studying this subject.

Further Mathematics must be combined with an A Level in Mathematics as it builds and extends the knowledge learnt in the single Maths A-Level.

The rewards for passing this course are great as the subject is highly regarded by universities. It shows that students can possess excellent problem solving skills and are well organised in their own learning and development as a mathematician.

Further Mathematics should not be chosen lightly as it is a very challenging and difficult course.

**Qualification:**

A Level OCR B (MEI)

Assessment:

100% exam at the end of the 2 year course:

Core Pure 50% (2hr 40mins)

Mechanics minor $16\frac{2}{3}\%$ (1hr 15mins)

Statistics minor $16\frac{2}{3}\%$ (1hr 15mins)

Numerical Methods $16\frac{2}{3}\%$ (1hr 15mins)

Progression Route: University, apprenticeship or employment in maths, engineering or the sciences.

Web Link: <http://ocr.org.uk/qualifications/as-a-level-gce-further-mathematics-b-mei-h635-h645-from-2017/>

For more information of this course or entry requirements please contact: Mrs Smith

The focus of the Health and Social Care course is to develop a foundation of skills and knowledge which can be used within a variety of care settings. The course covers a wide range of topics. A range of assessment techniques will be used including written examinations, projects, practical work, role plays and coursework assignments

Students who choose this course develop many transferable skills and an understanding of a variety of care settings, job roles and the values of health and social care.

The course is divided into units which focus on general aspects of Health and Social Care, sexual health, reproduction and early development stages and supporting people with learning difficulties.

The Health and Social Care sector offers a wide selection of career choices in a growing job market. Progression includes employment or further specialist training. Equally, students holding the Level 3 qualification will be prepared to enter university for a variety of degree courses such as nursing, paramedic science, occupational therapy and social work.



Qualification:

Cambridge Technical Level 3 (2016 suite)
Extended Certificate in Health and Social
Care (1 A Level)

Cambridge Technical Level 3 (2016 suite)
Diploma in Health and Social Care (2 A
Levels)

Cambridge Technicals Level 3 (2016)
Extended Diploma in Health and Social Care
(3 A Levels)

Assessment: External and Internal
assessment.

Extended Certificate in Health and social
Care: 3 external examinations and 3
coursework units

Diploma in Health and Social Care: 5
external examinations and 7 coursework units

Extended Diploma in Health and Social Care:
6 external examinations and 10 coursework
units

Progression Route: University,
apprenticeship or employment in nursing
and other allied health professions, social
work, healthcare and childcare.

Web Link: <http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-health-and-social-care-level-3-certificate-extended-certificate-foundation-diploma-diploma-05830-05833-2016-suite/>

For more information on this course or entry
requirements please contact: Ms Cooper

History is about people, their ambitions, successes and failures. It is about trying to understand why people acted in a certain way and why some events changed the direction of a nation, or even an entire continent.

The A Level course at **MCA⁶** enables students to study the History of more than one country. Students will undertake a thematic study, which covers an extended period of History of approximately 100 years; and the coursework element enables students to explore an area of a topic that they are particularly interested in.

Through the study of History we aim to captivate learners and develop a desire within them to continue learning beyond the confines of the classroom.



Qualification:

OCR History A level

Assessment: Unit 1 (25%; Examination at the end of Year 13) British Period Study and Enquiry: The Early Stuarts and the Origins of the Civil War, 1603 – 1660
[Enquiry Topic: The Execution of Charles I and the Interregnum 1646–1660]

Unit 2 (15%; Examination at the end of Year 13)

Non-British Period Study: The Crusades and the Crusader States 1095–1192

Unit 3 (40%; Examination at the end of Year 13)

Thematic Study and Historical Interpretations: Popular Culture and the Witch Craze of the 16th and 17th Centuries

Unit 4 (20%; Coursework)
Topic-based Essay

Progression Route: University, apprenticeship or employment in range of areas including History, the social sciences and law.

Web Link: <http://www.ocr.org.uk/qualifications/as-a-level-gce-history-a-h105-h505-from-2015/>

For more information about this course or entry requirements please contact: Mrs Powling



The focus of the Information Technology course is to enable students not to just be able to use computers but to help them develop systems and use IT as a tool to analyse data and develop applications. A variety of assessment techniques will be used including written examinations, projects, practical work and coursework assignments.

Students who choose this course develop a range of specialist knowledge and transferable skills in the context of applied IT.

The pathway we have chosen to follow is the emerging digital technology practitioner which covers an understanding of the fundamentals of IT, global information and virtual and augmented reality.

The IT sector offers a wide selection of career choices in a growing job market. Progression includes employment or further specialist training. Equally, students holding the Level 3 qualification will be prepared to enter university for a variety of degree courses.



Qualification:

Cambridge Technicals Level 3 (2016 suite)
Introductory Diploma in IT

Assessment: External and Internal assessment.

Introductory Diploma: 2 external examinations and 3 coursework units

Progression Route: University, apprenticeship or employment in IT, Business or related industries.

Web Link: <http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/>

For more information on this course or entry requirements please contact: Mrs Willingham

The study of Mathematics involves careful reasoning which can be applied to many aspects of life, including voting trends, financial stability and climate change.

Mathematics 'A' level is a valuable qualification for most careers and university courses. The list of such courses or careers would be endless but would certainly include the following:

Mathematics, Engineering, Physics, Computing, Accountancy, Economics, Business, Banking, Air Traffic Control, Retail Management, Architecture, Surveying, Cartography, Psychology and, of course, Teaching.

A Level Mathematics B (MEI) is a linear qualification. The content is listed below, under three areas:

1. Pure mathematics includes proof, algebra, graphs, sequences, trigonometry, logarithms, calculus and vectors
2. Mechanics includes kinematics, motion under gravity, working with forces including friction, Newton's laws and simple moments.
3. Statistics includes working with data from a sample to make inferences about a population, probability calculations, using binomial and Normal distributions as models and statistical hypothesis testing.

To study Mathematics is an exciting and challenging experience and you will need to be resilient and prepared to work hard. You will need a grade 6 or above at GCSE Mathematics to study A-Level Mathematics.



Qualification:

A Level OCR B (MEI)

Assessment:

100% Exams at the end of the 2 year course:

- Paper 1: Pure and mechanics- 36.4%
- Paper 2: Pure and statistics- 36.4%
- Paper 3: Pure and comprehension-27.3%

Progression Route: University, apprenticeship or employment in maths, engineering or the sciences.

Web Link: <http://ocr.org.uk/qualifications/as-a-level-gce-mathematics-b-mei-h630-h640-from-2017/>

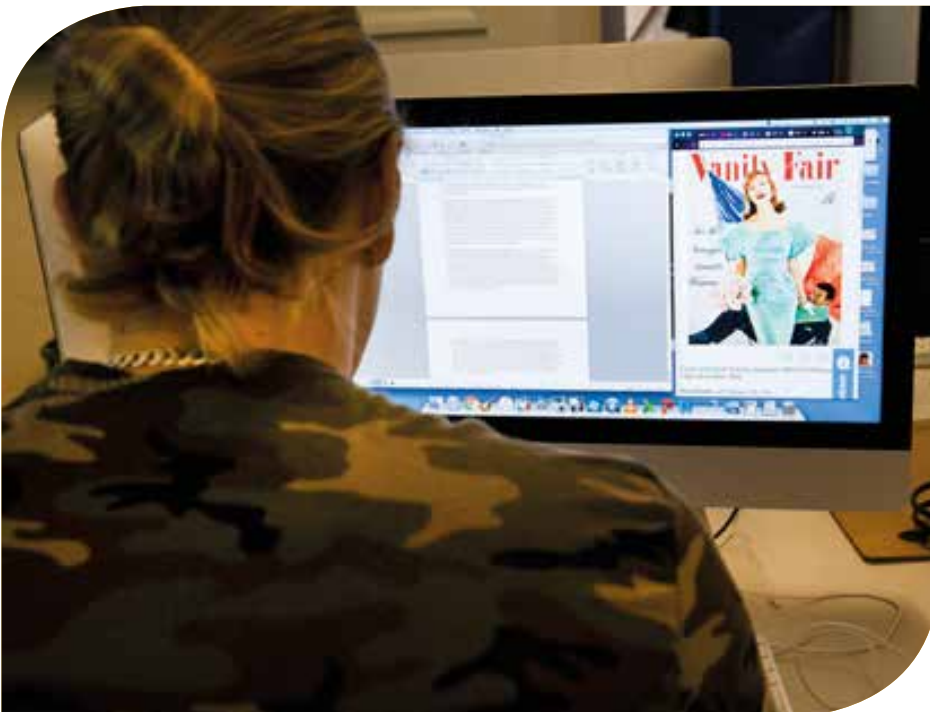
For more information of this course or entry requirements please contact: Mrs Smith



Media Studies offers students the chance to investigate the media and its place in the modern world. It combines academic rigour and creativity.

Students will be asked to view the media through a theoretical framework. They will need to demonstrate knowledge and understanding of the contexts of media and the influence of them on media products and processes. For example students would be asked to consider the role of changing ideas about representations and identity in society and the impact that has on the media. Students will also need to analyse media texts including websites, TV and social media. They will analyse and compare how media products construct and communicate meanings through the interaction of media language and audience response. Furthermore students will be required to debate key questions relating to the social, cultural, political and economic role of the media through discursive writing. The course will also require students to create media products for a specific audience.

The course offers students the opportunity to learn how to use media technology and then to utilise these skills when they create their own media products.



Qualification: A Level AQA

Assessment: 70 % Exam, 30 % NEA

- Paper 1: Focus on Media Language, Media Representations, Media Industries and Media Audiences, Media Forms - advertising and marketing, music, video, radio, newspapers, film (industries only).
- Paper 2: Questions will focus on the in-depth media forms of television, magazines and online social and participatory media/video games.
- NEA: Students produce: a statement of intent and a cross-media production made for an intended audience.

Progression Route: University, apprenticeship or employment in media, film or the creative industries.

Web Link: aqa.org.uk/subjects/media-studies/as-and-a-level/media-studies-7572

For more information of this course or entry requirements please contact: Mrs De Cort

The A level courses in modern foreign languages encourage students to build upon their knowledge and skills learnt during the GCSE years whilst broadening their understanding of the language, culture and society being studied. In addition, students develop a range of transferable skills including communication, critical thinking, research skills and creativity.

Modern foreign language qualifications are an asset in our globalised world and an A level in a modern foreign language can enable students to progress into higher education or employment.



Qualification:

A Level, AQA

Assessment: 70% Written Exam, 30% Speaking Exam

Progression Route: University, apprenticeship or employment in any sector.

Web Link: www.aqa.org.uk/subjects/languages/as-an-a-level

For more information of this course or entry requirements please contact: Mrs Sanders-Pope

Music is for anyone who would like to extend their musical skills in performing, composing and appraising.

The course allows for study of the widest possible range of music including folk, popular, classical and non-western styles. It aims to foster creativity through performing, composing and appraising and participate in making and communicating through music.

Students wishing to study Music need to be able to play an instrument or sing and have GCSE Music at Grade B or above.

Students with A level Music have a variety of options, including higher education. Careers where musical skills are respected include PR, sound engineering, media and entertainment industries, teaching and composing.



Qualification:

A Level OCR H543

Assessment: Performing 35% (exam)
Composing 25% (coursework)
Listening and Appraising 40% (exam)

Progression Route: University, apprenticeship or employment in music or the creative industries.

Web Link: <http://www.ocr.org.uk/Images/219397-specification-accredited-a-level-gce-music-h543.pdf>

For more information of this course or entry requirements please contact: Mrs Sayer

Studying BTEC Performing Arts (Acting) will enable you to develop your passion for Drama alongside developing vital life skills including your confidence and creativity. If you are either looking to continue into the arts as a career choice, or whether you enjoy performing in front of an audience there will be many opportunities offered to you through this course.

Students will study a wide range of different acting styles learning the skills and techniques used by actors. They will also watch a variety of different performances by professional theatre companies (both live and recorded) to build up a repertoire of performance knowledge. Through doing this students will widen their knowledge of drama and theatre whilst developing their cultural understanding of the world we live in.

There are four units to complete over the two year course, assessed through theoretical knowledge as well as through practical performance skills. Students will be expected to work to a brief, with deadlines, to mirror what it is like working in the professional acting industry. The units studied will focus on developing students' acting skills as well as their understanding of theatre practitioners. Students will participate in teacher-led workshops as well as experiencing workshops led by professional theatre practitioners.

Students are expected to perform in multiple academy shows throughout the course. Also it is expected that they will attend additional rehearsals to prepare for performances as well as trips to live theatre performances.



Qualification:

Pearson BTEC National Extended Certificate in Performing Arts (Acting)

Assessment: 4 units – 2 internally assessed, 2 externally assessed.

Progression Route: University, apprenticeship or employment. This course would hugely benefit anybody wanting to enter acting/creative industries.

For more information of this course or entry requirements please contact: Miss R Finbow



During your studies of Physics at **MCA⁶**, you will have the opportunity to develop your knowledge and understanding of traditional physics and begin to study the two key ideas concerning physics research at the moment. Astrophysics deals with the Physics of the universe, how it was formed, how it developed and continues to operate. This includes unsolved issues like the existence of Dark Matter, the nature of Black holes and the concept of Einstein's Space-time nature of the Universe. Contrasting this is the relatively new area of Quantum physics, the study of particles and their unpredictable behaviour. This involves understanding how the LHC at CERN discovers new particles including the Higgs Boson and how these particles make up all of the matter that exists.

You will also study topics including; Materials (Fluids and Solids under stress), Light and Waves (Including Wave particle duality), Nuclear and Particle Physics (Standard Model, Particle accelerators and radioactive decay), Thermodynamics (Thermal Energy and Ideal gases) and Oscillations including Simple Harmonic Motion and Resonance.

**Qualification:**

Edexcel A Level Physics

Assessment: 100% exam with practical assessment made in class that does not contribute to final grade

Progression Route: University, apprenticeship or employment in maths, engineering or the sciences.

Web Link: <http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/physics-2015.html>

For more information of this course or entry requirements please contact: Mr Pickard

Psychology is the study of the mind and behaviour. It attempts to answer the fundamental question, "Why do people behave the way they do?" Psychologists approach this in different ways, they might take a cognitive, biological, behavioural or social approach. This course introduces a selection of major psychological theories and research. Contrasting theories will be critically discussed, analysed and evaluated, giving an insight into human behaviour and providing a range of perspectives, experiments and case studies through which it can be considered.

The course content is below -

1. Paper 1: Introductory Topics - Social Influence; Memory; Attachment; Psychopathology
2. Paper 2: Psychology in Context - Approaches in Psychology; Biopsychology; Research Methods
3. Paper 3: Issue in Psychology - Gender; Schizophrenia; Forensic Psychology



Qualification:

GCE A Level, AQA, 7181/7182

Assessment: 100% External Examinations.

- I. AS Level (Paper 1 and 2 at the end of Year 12)
- II. A level (Paper 1, 2 and 3 at the end of Year 13)

Progression Route: University, apprenticeship or employment in range of areas including psychology, the social sciences and law.

Web Link: <http://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182>

For more information of this course or entry requirements please contact: Mr Smith

Sociology is the study of society. In particular it is the study of those institutions and social groups which influence our behaviour, such as family, class and the mass media. Sociologists look at how these institutions shape our individual beliefs and values. As members of society, you come to the course with attitudes and values, having taken part in social interaction with friends, family and strangers. This means you already have an insight into the subject!

In Sociology, you will gain valuable understanding of how and why different social groups act in different situations. You will also learn about different sociological approaches and how this influences sociological methodology. Besides acquiring a deep level of knowledge, you will develop and improve your essay writing technique along with evaluative, analytical and research skills. These are valuable transferable skills and will prepare for you a range of careers.

The course content is below -

1. Paper 1: Education with Theory and Methods
2. Paper 2: Family and Households; Beliefs in Society
3. Paper 3: Crime and Deviance with Theory and Methods

**Qualification:**

GCE A Level, AQA

Assessment: 100% External Examinations.

A level (Paper 1, 2 and 3 at the end of Year 13)

Progression Route: University, apprenticeship or employment in range of areas including the social sciences, criminology and law.

Web Link: <http://www.aqa.org.uk/subjects/sociology/as-and-a-level/sociology-7191-7192>

For more information of this course or entry requirements please contact: Mrs Sanders-Pope

Sports Studies has undergone a comprehensive development widely linked to both higher education and the working environment. The new and improved courses have specifically been designed to meet the needs of the ever changing environment within this sector of the industry. Consequently we are excited to offer three pathways to enable students to succeed at a variety of levels. The single level is focussed around the sports industry whilst the double and triple levels are focussed around the sports coaching and exercise sectors of the industry

The units have been designed by specialists in the field who are keen to improve students' ability to work well in teams, coach, communicate and research areas of interest. The variety of topic areas will test both the physical and mental capabilities of the student. Successful completion of the courses will lead naturally into sports science, physiotherapy and other health related degrees in higher education progressing into apprenticeships or being offered sports specific scholarships.



Qualification:

Pearson BTEC Level 3 National Extended Certificate in Sport
Pearson BTEC Level 3 National Diploma in Sport

Assessment:

Single:

4 units of which 3 are mandatory and 2 are external. Mandatory content (83%). External assessment (67%). 2 units contain written exams/set tasks and there are 2 coursework units.

Double:

9 units of which 6 are mandatory and 3 are external. Mandatory content (75%). External assessment (45%). 3 units contain written exams/set tasks and there are 6 coursework units.

Progression Route: University, apprenticeship or employment in sport, exercise or fitness.

Web Link: <http://qualifications.pearson.com/en/qualifications/btec-nationals/sport-2016.html>

For more information of this course or entry requirements please contact:
Mr O. Hughes





Sixth Form Centre
Sheldrick Way, Mildenhall,
Suffolk. IP28 7JX

Telephone: 01638 714645
email: reception@mca.atrust.org.uk
www.mca6.atrust.org.uk
Follow us on Twitter @MCA_Six
Like us on Facebook @MildenhallSixthForm
Follow us on Instagram @mca_six

