



MORE HOUSE SCHOOL

Sixth Form Subject Guide
2019-2020

The Sixth Form curriculum aims to provide the best all-round education possible in order to prepare our pupils for happiness and success in their adult lives, whether they go on to University, take on an apprenticeship or enter the world of work.

We offer a wide range of subjects to suit the different needs of our pupils. Traditional GCE A level linear qualifications are formally assessed at the end of the Upper Sixth but we also offer the two year, continuous coursework approach of the Level 3 BTEC. Pupils can decide to do all A levels, all BTECs or a combination of both.

In addition, we also offer the Extended Project Qualification (EPQ) where pupils can supplement their UCAS points through a personal research project that is largely self-directed and self-motivated.

For pupils who have struggled with the demands of GCSEs, we offer a foundation year which allows pupils to focus on re-sitting GCSE English and Maths and also offers the opportunity to gain vocational qualifications in Business Administration and Digital Literacy.

Do please remember that at More House School curriculum is not just about the qualifications. Our Renaissance programme aims to develop pupils' independence and social skills, and helps build confidence and maturity so that every pupil is ready to take on his next challenge away from our nurturing environment.

A key to pupil success in the Sixth Form is the support they receive and we pride ourselves in the high level of support provided:

- Pastoral support is provided through form tutors, the Head of Sixth Form, Mr Iain Yeoman and also the Custodian of the Sixth Form, Mr Hugh Rashleigh who is on hand in Crosslanes throughout the day.
- Learning Development support, led by Mrs Sarah Cavannagh, is also available, either through timetabled sessions or through drop in sessions, depending on each pupil's needs and this will be arranged through the Head of Year once the timetable is established.
- Mrs Ruth Hammond leads a team of professionals who work together to promote good mental health and wellbeing for all pupils. This is achieved through delivering an explicit PSHEE curriculum and by fostering an ethos of good self-care and support. Where required, pupils may be offered specific targeted interventions, which can take the form of one to one support or managed through group work.

This booklet contains details of the different qualifications we offer. It is designed to give an overview, and I would encourage you to talk to the subject lead to discuss the suitability of the qualification for your son.

Please be aware that whilst we aim to offer all of the subjects listed, subjects do need to be blocked together and some combinations may be restricted depending on demand, staffing and time-tabling considerations. A subject may be withdrawn if there are insufficient pupils to justify a set.

Yours sincerely,

Penni Kerr

Deputy Head – Curriculum

MHS SIXTH FORM CHOICES

Subject availability

GCE

Biology
Chemistry
Computer Science
Design & Technology
English Literature
Geography
History
Mathematics
Music
Photography
Physics

BTEC Level 3

Art & Design
Business
Computing
Countryside Management
Creative Digital Media Production
Music
Performing Arts
Applied Psychology
Sport

Level 3 Diploma

Design Engineer Construct! (DEC!)

Level 3 Project Qualification

Extended Project Qualification

Learning Development Centre

Support within our Learning Development Centre

OCR

GCE AS & A-Level

Biology H020/H420

GCE Biology gives students a greater understanding of, and respect for, living organisms. The course will provide knowledge of biological processes and is useful in a wide range of areas including health, food production, conservation and, increasingly, technology.

Aims:

- Develop interest in and enthusiasm for biology, including possible interest in further study and careers in biology.
- Appreciate how society makes decisions about scientific issues and how sciences contribute to success of the economy and society.
- Develop and demonstrate deeper appreciation of skills, knowledge and understanding of How Science Works.
- Develop essential knowledge and understanding of different areas of biology and how they relate to each other.
- Participate in practical activities to develop essential scientific skills.

Key features:

- Can be studied as a stand-alone AS qualification or a full A-level.

Assessment:

- AS-level: 2 external exams (do not count towards final A-level grade).
- A-level: 3 external exams covering all topics across the whole two years.
- Practical skills: Assessed through questions in the written exams and a series of practical assessments, which are internally assessed across the two-year course, moderated by OCR and awarded as a separate certificate - not as part of the A-level grade.

Resources required:

- Files and scientific calculator.

Progression:

- Biology can be studied with almost any other A-level subject and is one of the most popular courses in the country. There are many biologically related degree courses leading to careers in, for example, ecology, radiography, marine biology, medicine and sports studies. Students acquire and develop skills that are valued in further and higher education, as well as in the workplace.



At a Glance:

We are bombarded with information about our health, drug safety, cancer 'cures', organ transplantation, cloning, vaccines, the human genome project and saving our environment. A-level Biology helps us to understand how animals and plants function and interact. It also helps us to understand and evaluate current ideas so we can reach an informed viewpoint. You will learn how to collect and evaluate data, investigate facts and deduce information. By the end of the course you will be able to effectively present a point of view.

Skill Set for Success:

Students who are interested in improving their knowledge, understanding and skills beyond GCSE, and who are willing to carry out several hours of independent review and reflection work each week to consolidate and develop these, do very well indeed. Students who enjoy all aspects of practical work and are keen to develop their use of specific techniques and analysis of results are also successful. Students who learn to organise their work find this helps their progress.

Head of Science

Mrs Susie Pickett

spickett@morehouseschool.co.uk

OCR

GCE AS & A-Level

Chemistry H032/H432

GCE Chemistry will teach you how Chemists have greatly improved the quality of life for the majority of people and you will also discover how they are real innovators, designing solutions to the problems that affect modern life.

Aims:

- Develop essential knowledge and understanding of different areas of Chemistry and how they relate to each other.
- Demonstrate an appreciation of skills, knowledge and understanding of scientific methods.
- Develop competence and confidence in a variety of practical, mathematical and problem solving skills.
- Develop interest in, and enthusiasm for, Chemistry including developing an interest in further study and careers associated with the subject.
- Understand how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.
- Participate in practical activities to develop essential scientific skills.

Key features:

- Can be studied as a stand-alone AS qualification or a full A-level.
- Contains 20% mathematical content.

Assessment:

- AS-level: 2 external exams (do not count towards final A-level grade).
- A-level: 3 external exams covering all topics across the whole two years.
- Practical skills: Assessed through questions in the written exams and a series of practical assessments which are internally assessed across the two-year course, moderated by OCR and awarded as a separate certificate - not as part of the A-level grade.

Resources required:

- Files and scientific calculator.

Progression:

- Chemistry facilitates a wide range of degree courses and careers: Chemical Engineering, Materials Science, Sports Science, Food Science, Medicine and some Biology courses.



At a Glance:

Why does ice float on water? How can we make biodiesel and is it really green? How can we use potato starch to make biodegradable plastics? Chemistry is everywhere—in plastics, drugs, explosives, pesticides and fuels. By the end of the course you will be able to collect and interpret data, present your viewpoint fluently, be able to investigate facts and deduce information. Chemistry can be studied with any other GCE subject and shows that you are numerate, have excellent problem-solving skills and good research skills.

Skill Set for Success:

Students who are interested in improving their knowledge, understanding and skills beyond GCSE, and who are willing to carry out several hours of independent review and reflection work each week to consolidate and develop these, do very well indeed. Students who enjoy all aspects of practical work and are keen to develop their use of specific techniques and analysis of results are also successful. Students who learn to organise their work find this helps their progress.

Head of Science

Mrs Susie Pickett

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AQA

AS & A-Level

Computer Science 7516/7517

GCE Computer Science is a good foundation for further study with its emphasis on abstract thinking, general problem solving, algorithmic and mathematical reasoning, and scientific and engineering-based thinking.

Aims:

- Fundamentals of programming.
- Concept of data type including primitive data types and complex data structures and data representation.
- Following and writing algorithms.
- Capturing, selecting, exchanging and managing data to produce information for a particular purpose.
- Need for and functions of systems software.
- Characteristics of contemporary systems architectures, including processors, storage, input, output and their connectivity.
- Individual, social, legal and cultural opportunities and risks of digital technology.

Key features:

- Combination of written and onscreen exams as well as a non-exam assessment. Students demonstrate ability to draw together information from different areas of the specification and apply their knowledge and understanding.
- Can be studied as a stand-alone AS qualification or a full A-level.

Assessment:

Onscreen exam: Tests the ability to program, as well as theoretical knowledge of computer science. A series of short questions and write/adapt/extended programs in an electronic answer document.

Written exam: Tests ability to answer questions from taught subject content through short and extended answer questions.

Non-exam assessment: Assesses ability to use knowledge and skills gained to solve or investigate a practical problem.

Resources required:

- Access to a computer at home.

Progression:

- Designed for students who wish to go on to a higher education course or employment where knowledge of computing would be beneficial—careers in the IT industry, Medicine, Law, Business, Engineering or any branch of Science.



At a Glance:

From engineering to business management, medicine to biology and language progressing through to psychology, sociology and archaeology - all the sciences today need computer science in some form, which is what makes the subject so exciting and is opening up ever more employment opportunities. Computer Science is a forward-looking discipline offering excellent prospects.

It will enable every student to broaden technical knowledge with the ability to write their own programs and software.

Skill Set for Success:

Computer Science uses mathematics to express its computational laws and processes. Ideally students should have the skills and knowledge from studying GCSE Computer Science demonstrating a keen interest in understanding programming concepts to help them adapt to different languages.

Head of Computer Science

Sarah Gooderham

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OCR

GCE AS & A-Level

Design & Technology H006/H406

GCE Product Design is an inspiring, rigorous and practical subject. Students are encouraged to make the connection between the knowledge, understanding and skills they develop and how this will benefit them in the future. The course allows them to experience what it is like to work on real life design projects and develop products.



Aims:

- Encourage candidates to take a broad view of design and technology and the made-world.
- Develop capability to design and make products which people will use in the real world.
- Appreciate complex relations between design, materials, manufacture and marketing.

Key features:

- GCE Product Design goes well with Science and other Technology subjects, including Physics, Maths, Chemistry, IT as well as Art.
- AS has one written exam and a Non Exam Assessment (NEA) portfolio to demonstrate product development.
- A Level has 2 written exams and a Non Exam Assessment (NEA) portfolio to demonstrate the iterative design process
- AS can be studied as a stand-alone qualification over one year whilst the full A-level can be studied as a stand-alone qualification over two years.

Assessment:

- AS Level:
 - Written exam on core technical principles, designing and making (50%).
 - Non-exam assessment: Design and make project and design portfolio - 35hours (50%).
- A-Level:
 - Two written exams: Paper 1 - core technical principles. Paper 2 - specialist knowledge & technical principles (50%).
 - Non-exam assessment: a single substantial design and make task plus design portfolio - 45 hours (50%).

Resources required:

- No specific resources required.

Progression:

- GCE Product Design can be very helpful for courses such as Architecture, Engineering, Information Technology and Computer Science. It can also be useful for apprenticeships in a range of manufacturing and engineering technologies.

At a Glance:

Learning about design and technology at strengthens critical thinking and problem-solving skills within a creative environment, enabling you to develop and make prototypes/products that solve real-world problems, taking into consideration your own and others' needs, wants, aspirations and values. You will need to identify market needs and opportunities for new products, initiate and develop design solutions, and make and test prototypes/products. These designs can be matched to individual interests or career aims. Within the course you will learn about how designers are responding to global issues such as poverty and the environment, whilst developing skills to be designers, architects or engineers. There is a CAD/ CAM element to the course.

Skill Set for Success:

It is helpful for candidates to have studied GCSE Design and Technology prior to starting the GCE course. You will be expected to take ownership of your project work and learning, which will help you to develop your skills to be an effective designer and member of any working team. Design and Technology combines well with a range of subjects. Maths GCSE would also be desirable.

Head of Design, Technology & Engineering

Charles Stewart

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Pearson Edexcel

GCE AS & A-Level

English Literature 8ET0/9ET0

GCE English Literature provides an opportunity to read widely and write creatively, study a particular period in more depth and look at contemporary texts - gaining analytical skills and seeing how context influences understanding.

Aims:

- Read widely and independently across set texts and others that they have selected for themselves.
- Engage critically and creatively with a substantial body of texts and ways of responding to them.
- Develop and effectively apply their knowledge of literary analysis and evaluation.
- Explore the contexts of the texts they are reading and others' interpretations of them.
- Undertake independent and sustained studies to deepen their appreciation and understanding of English literature, including its changing traditions.

Key features:

- Consists of three externally examined papers and one coursework component. The qualification requires the study of eight literary texts plus unseen poetry.
- Students must complete all assessment in May/June in any single year.

Assessment:

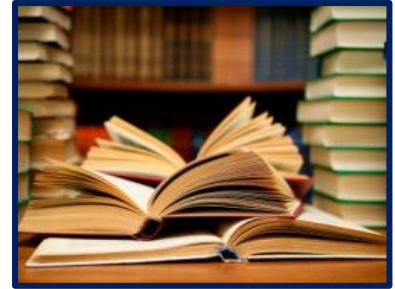
- Written exams: Drama, Prose and Poetry.
- Coursework: An extended comparative essay of between 2500-3000 words referring to two texts.

Resources required:

- Nothing more than a love of argument and a passion for good books.

Progression:

- Higher education courses such as degrees in English, English literature, Creative Writing or in related subjects such as Journalism, Media, Teaching, Drama and History.
- A wide range of careers, such as teacher, editor, writer, areas such as publishing, journalism, media, advertising, marketing, public relations, arts administration, record offices, libraries, national and local government and the civil service.



At a Glance:

By the end of the course, you should be independent and widely read because we do not just study texts, but the societies and environments which formed them. You will explore poetry, prose and drama, as well as art and politics, and we hope to extend your studies beyond the classroom. You will be able to respond creatively for some of the coursework tasks; writing your own short stories, theatre reviews, or event poetry! Expect to study Shakespeare as well as some more modern drama (Beckett or Wilde), as well as prose fiction from Shelly to McEwan and poetry from the likes of Larkin and Chaucer.

Skill Set for Success:

Provides progression from GCSE building on skills of analysing, evaluating and comparing texts and writing skills, including accurate spelling, punctuation and grammar, allowing students to develop a broader and deeper understanding of English Literature and allow them to develop higher English Literature skills.

Head of English

Alexandra Derrick

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AQA

GCE AS & A-Level

Geography 7036/7037

We would like GCE Geography students to gain enjoyment, satisfaction and a sense of achievement as they develop their geographical knowledge, engaging critically with real world issues and places, and understanding the world's changing peoples, places and environments.

Aims:

- Analyse complexity of people-environment interactions, and appreciate how these underpin understanding of key geographical issues in the world today.
- Understand ways in which values, attitudes and circumstances impact on relationships between people, place and environment, developing an ability to engage, as citizens, with the questions and issues arising.
- Develop competence in evaluating a range of quantitative and qualitative skills and apply them as part of their studies.
- Become skilled at planning, undertaking and evaluating fieldwork in appropriate situations.
- Develop as critical and reflective learners, able to articulate opinions, suggest relevant new ideas and provide evidenced arguments in a range of situations.

Key features:

- Consists of written papers on physical and human geography supported by fieldwork investigation.
- Can be studied as a standalone AS qualification or a full A-level.

Assessment:

- AS level: You will study Physical Geography, and people and the environment; Human Geography and fieldwork investigation culminating in two written exams.
- A-level: You will study Physical Geography, Human Geography on which you will have written exams, together with Geography fieldwork investigation assessed by a 3000-4000-word essay.

Resources required:

- Text books provided by the department.

Progression:

- Higher education courses such as degrees in Geography or in Environmental subjects and leading to careers, for example, in Cartography, Commercial/Residential Surveying, Environmental Consultancy, Planning and Development surveying, Teaching or Town planning.



At a Glance:

In Geography, students will consider their own values and attitudes to the issues being studied and support their learning through specific case studies. Geography helps us to understand our own lives in a global world and face vital issues, like climate change, the 'war on terror' water energy, food security and poverty eradication. In the first year you will cover river morphology, coastal environments, population issues and energy issues reinforced by field trips. In the second year you will study plate tectonics, ecosystems and world cities.

Skill Set for Success:

Ideally you should have achieved grade 5 or above in GCSE Geography, Science and English Language. GCE Geography will help you to develop your investigative and analytical skills as well as your communication and team-working as you work on collaborative projects. You'll also develop your research and analysis skills including in IT, lab and fieldwork, which means you will be able to collect and look for patterns in data.

Head of Humanities

Brian Luff

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Pearson

GCE AS & A-Level

History 8HI0/9HI0

The study of GCE History will encourage students to explore, analyse, evaluate and develop essay writing skills, as well as develop an ability to argue their own viewpoint on both the present and the past.

Aims:

- Develop interest in and enthusiasm for history and understanding of its intrinsic value and significance.
- Acquire understanding of different identities within society and appreciation of social, cultural, religious and ethnic diversity.
- Improve as critical and reflective thinkers with curious and enquiring minds.
- Develop ability to ask significant questions about the past, to research them and develop an understanding of historical terms, concepts and skills.
- Make links and draw comparisons within and/or across different periods and aspects of the past.
- Organise and communicate historical knowledge and understanding in different ways, arguing a case and reaching substantiated judgements.

Key features:

- Consists of written papers based on 'Searching for rights and freedoms in the twentieth century' and 'The British experience of warfare', supported by coursework on 'The responsibility for the WW1'.
- Can be studied as a standalone AS qualification or a full A-level.

Assessment:

- A-level: You will study for three written exams based on a Breadth study with interpretations, a Depth study and 'Themes in breadth with aspects in depth supported by coursework.

Resources required:

- No specific resources required.

Progression:

- Students can progress to further education courses in History or in related subjects such as politics, English Literature, Law, Philosophy, Economics or Geography, leading to a wide range of careers in areas such as journalism and media, education, libraries, national and local government and the civil service.



At a Glance:

GCE History encompasses a range of events, characters and the subsequent perspectives. Students will look into American history 1917- 1996, including the changing presidencies, the significance of wars and catalysts for change; the fight for Indian independence from 1914- 1948 and the ensuing impact; involvement of Great Britain in wars from 1790-1918 culminating in WWI as a focus for the coursework element.

Skill Set for Success:

It is desirable that students have achieved at least 5 grades at both GCSE History and English Language to fully access the course. This will allow students to develop a broader and deeper understanding of history as a discipline and of the specified content; and allow them to develop higher skills when working with evidence.

Teachers of History

Erin Easdown/Lewis Clarkson

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OCR

GCE AS & A-Level

Mathematics A H230/H240

OCR Mathematics A has been developed to provide students with a course of study to develop mathematical understanding encouraging them to think, act and communicate mathematically, providing them with the skills to analyse situations in mathematics and elsewhere.

Aims:

- Encourage students to develop a deep understanding of mathematics and an ability to use it in a variety of contexts.
- Encourage students to use appropriate technology to deepen their mathematical understanding and extend the range of problems they can solve.
- Use large data sets in statistics to enable students to develop an understanding of working with real data to solve real problems.
- Assess students in a way that enables them to show what they can do.
- Include mathematical comprehension in assessment to prepare learners to use mathematics in a variety of contexts in higher education and future employment.

Key features:

- The following themes are applied across the whole of the content of AS and A-level Mathematics and in examination:
 - Mathematical argument, language and proof
 - Mathematical problem solving
 - Mathematical modelling.
- Content is separated into pure mathematics, statistics and mechanics, and students are expected to have explored connections between different areas of the specification.

Assessment:

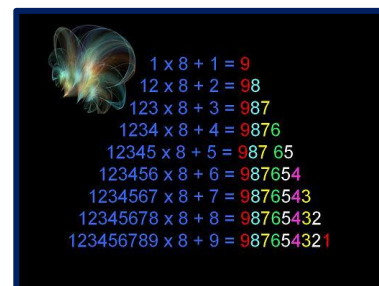
- AS level: Students must take both components 01 (Pure Mathematics & Statistics) and 02 (Pure Mathematics & Mechanics) and are permitted to use a scientific or graphical calculator for all papers.
- A-level: Students must take all components 01 (Pure Mathematics), 02 (Pure Mathematics & Statistics) and 03 (Pure Mathematics & Mechanics) and are permitted to use a scientific or graphical calculator for all papers.

Resources required:

- Mathematical instruments and calculator. (fx-991EX Classwiz or TI-30X Pro as it must be able to find Normal and Binomial probabilities.

Progression:

- This qualification supports progression into further and higher education, training or employment, in a wide variety of disciplines.



At a Glance:

Mathematics at AS and A2 is a course worth studying not only as a supporting subject for the physical and social sciences, but also in its own right. It is challenging and interesting, both building on work you will have met at GCSE and involving new ideas produced by some of the greatest minds of the last millennium.

Skill Set for Success:

Students embarking on AS and A-Level Maths are expected to have covered all the material in the GCSE Maths. While studying Mathematics you will be expected to use maths skills and knowledge to solve problems; use maths arguments and logic, use calculators, formulae booklets and statistical tables effectively.

Head of Mathematics

Frances Hudson

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Eduqas

GCE AS & A-Level

Music B660QS/A660QS

GCE Music provides a great opportunity for all musical abilities to flourish including performance, composition, analysis and criticism. You will learn to listen to all kinds of music with renewed enthusiasm as your knowledge deepens and your capacity for informed criticism increases.

Aims:

- Develop performing skills to demonstrate understanding of musical elements, style, sense of continuity, interpretation and expression.
- Develop composing skills to demonstrate manipulation of musical ideas and use of musical devices and conventions.
- Recognise interdependence of musical knowledge, understanding and skills, and links between performing/composing/appraising.
- Broaden musical experience and interests, develop imagination and creativity.
- Develop knowledge of a variety of instruments and styles, and of relevant approaches to both performing and composing as well as awareness of music technologies and their use in the creation and presentation of music.
- Appraise contrasting genres and develop understanding of musical contexts and a coherent awareness of musical chronology.
- Reflect critically and make personal judgements on their own and others' music.

Key features:

- Can be studied as a stand-alone AS qualification or a full A-level.
- Written examination and practical elements in the form of Performing and Composing.

Assessment:

- Written examination based on classical set work, pop, musical theatre or jazz and 20th century music (including listening tests).
- Performing—both as a soloist and/or with ensemble.
- Composing two or three works in the form of coursework.

Resources required:

- Instrument/voice ideally to Grade V. Use of Sibelius software at home (will be discussed with students).

Progression:

- Provides a strong foundation for further education in the subject and much of the necessary knowledge for a career in the music business, as well as providing life-long enjoyment and understanding of music at every level.



At a Glance:

Firstly, this GCE Music course offers the examination of music from all ages from Baroque to Blues, Romanticism to Rock, Musical Theatre to Jazz; secondly the chance to study composition and to produce original works based on sound theoretical and arranging skills; thirdly the opportunity to develop your abilities as a performer, both by increasing your repertoire and by improving your own style as a soloist and as an ensemble player. There is a choice as to whether performance or composition forms your major study.

Skill Set for Success:

The qualification builds on knowledge, understanding and skills established at GCSE. Skills in numeracy/Mathematics, literacy/English and ICT will provide a good basis for progression to GCE Music.

Teacher of Music

Nicolas Bloomfield

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Pearson Edexcel

GCE AS & A-Level

Photography 8PY0/9PY0

GCE Photography will develop your imaginative powers, together with the skills to express your ideas, feelings and opinions through visual interpretation. You will have the chance to explore both still and moving image, digital and silver-based photography.

Aims:

- Develop intellectual, imaginative, creative and intuitive capabilities
- Develop investigative, analytical, experimental, practical, technical and expressive skills, aesthetic understanding and critical judgement.
- Develop independence of mind in communicating ideas, intentions and outcomes.
- Knowledge and experience of real-world contexts and links to the creative industries.
- Awareness of different roles, functions, audiences and consumers.

Key features:

- Comprises internally set assignment, assessed by the teacher and externally moderated and an externally set assignment which is externally set, assessed by the teacher and externally moderated.
- Can be studied as a standalone skills-based AS qualification over one year or students commit to a full two year A-level course.

Assessment:

- AS level: An internally set assignment and an eight hour externally set assignment.
- A-level: Internally set assignments, a written Personal Study and a fifteen hour externally set assignment.

Resources required:

- Students should possess a good quality camera. Advice can be provided.

Progression:

- GCE Photography is an excellent course to study if you are interested in a career in art and design, film, animation, television, media, graphic design, web design, photo-journalism, fashion photography and all other creative art forms.



At a Glance:

GCE Photography is prominently coursework based, which will develop your knowledge and understanding of creative photographic techniques, materials and processes. Through exploring the works of other photographers you will develop your ability to analyse, discuss and evaluate images you have taken and develop your individual portfolios. You will be encouraged to make independent judgements to extend your own thinking and inform your work.

Skill Set for Success:

You will need a grade 5 or above at GCSE in the subject or a different creative pathway related to visual arts.

Teacher of Photography

Asha Patel

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OCR

GCE AS & A-Level

Physics H156/H556

In GCE Physics you will learn more details about familiar topics such as forces, waves, radioactivity and electricity and how these are interconnected. You will find out about quarks - the building blocks of atoms, the physics of musical instruments, cosmology and medical physics.

Aims:

- Develop essential knowledge and understanding of different areas of Physics and how they relate to each other.
- Demonstrate an appreciation of skills, knowledge and understanding of scientific methods.
- Develop competence and confidence in a variety of practical, mathematical and problem solving skills.
- Develop interest in and enthusiasm for physics, including developing an interest in further study and careers associated with the subject.
- Understand how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.
- Participate in practical activities to develop essential scientific skills.

Key features:

- Can be studied as a stand-alone AS qualification or a full A-level.

Assessment:

- AS-level: 2 external exams (do not count towards final A-level grade).
- A-level: 3 external exams covering all topics across the whole two years.
- Practical skills: Assessed through questions in the written exams and a series of practical assessments which are internally assessed across the two-year course, moderated by OCR and awarded as a separate certificate, not as part of the A-level grade.

Resources required:

- Files and scientific calculator.

Progression:

- There are many amazing careers that require knowledge of Physics. These include astrophysics, renewable energy, engineering, product design, music technology and computer games development. The skills you develop in Physics can also be transferred to many other areas of work including setting up your business, accountancy, environmental studies and many more.



At a Glance:

From the incredible vastness of the universe to the smallest particles that make up matter, Physics is crucial to understanding the world around us, inside us and beyond us. It leads to great discoveries such as Einstein's Theory of Relativity, and life-changing technology in many areas including astronautics, the medical world and new energy solutions.

Skill Set for Success:

Students who are interested in improving their knowledge, understanding and skills beyond GCSE, and who are willing to carry out several hours of independent review and reflection work each week to consolidate and develop these, do very well indeed. Students who enjoy all aspects of practical work and are keen to develop their use of specific techniques and analysis of results are also successful. Students who learn to organise their work find this helps their progress.

Head of Science

Mrs Susie Pickett

spickett@morehouseschool.co.uk

Pearson Edexcel

BTEC Level 3 Extended Certificate in Art and Design (previously Subsidiary Diploma)

A two-year course designed to use a combination of assessment styles to give confidence to apply knowledge to succeed in the workplace and have study skills to continue learning on higher education courses. The BTEC course has been developed for post-16 learners who wish to develop knowledge and skills in art and design through a vocational focus which can be used to support further progression in art and design education.

Aims:

- Explore processes and methods of visually recording and communicating creative ideas.
- Develop students' understanding and analysis of the work of artists and designers.
- Bring their learning together through the creative process.
- Develop skills and knowledge through an option unit in a specific area such as fashion, textiles, graphic, photography, 3D studies or fine art.
- Enable students to develop knowledge and skills in the sector and increase their levels of independence.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- Core units enable the development of recording from primary and secondary sources and understanding formal elements in the work of others.
- Optional units enable you to explore 2D, 3D and digital materials, techniques and processes used to produce fine art work.

Assessment:

- There are two externally assessed units with themes set and marked by Pearson.
- There are two internally assessed units with two assignments in each. These are moderated by Pearson.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



At a Glance:

Mandatory Units

- **Visual Recording and Communication**
(Externally assessed coursework)
- **Critical and Contextual Studies in Art and Design**
(Externally assessed coursework)
- **Fine Art Materials, Techniques and Processes**
(Internally assessed coursework)

Optional Units

- **Fine Art Materials, Techniques and Processes**
(Internally assessed coursework)

Skill Set for Success:

To progress onto the Level 3 Qualification you will need a minimum of a Pass at BTEC level 2 Art and Design or equivalent.

Teacher of Art & Design

Naomi Jivanda

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Pearson Edexcel

BTEC Level 3 Subsidiary Diploma

Business

A two-year course designed to provide an engaging and stimulating introduction to the world of business, enabling both progression to further study and leading to a route into employment in areas such as marketing, finance, customer service and human resources.

Aims:

- Encourage knowledge and skills relevant to the business world through practical participation in a range of vocational business activities.
- Provide wider understanding and appreciation of the range of business sectors.
- Encourage development of communication, planning and team-working skills.
- Develop skills and techniques essential for success in working life, through presentations and in discussions, giving opportunities to express opinions.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- Core units enable the development of key enterprise and financial skills and knowledge of how businesses recognise opportunities and build on them to succeed; and an understanding of how a business makes and manages its money and plans for the future.

Assessment:

- There is a range of vocational assessments, both practical and written which allows pupils to showcase their learning and achievements to best effect.
- All units are internally assessed and moderated by Pearson.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



At a Glance:

Mandatory Units

- The Business Environment
- Business Resources
- Introduction to Marketing
- Business Communication

Optional Units

- Managing a Business Event
- Developing Teams in Business
- Market Research in Business

Skill Set for Success:

No prior knowledge or skills are necessary for this qualification although a keen interest in current affairs is essential.

Head of Business Studies

Penni Kerr

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Pearson Edexcel

BTEC Level 3 Extended Certificate

Computing

This qualification is designed to support learners interested in learning about the computing sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in the computing sector. It is designed to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels.

Aims:

Develops subject knowledge and skills in computer science and computer systems, enabling progression to further study of the computing sector or other sectors.

- Develop computational thinking skills to effectively analyse a problem, break it down into its component parts, and design and evaluate solutions.
- Explore the logical and structured ways that computer systems process data to develop programs, processes and systems that solve specific problems.
- Study the fundamental principles of how computer systems work, including the role of hardware and software, the way components of a system work together and how data in a system is used.
- Study IT system security threats and the methods used to protect against them. To undertake activities to protect IT systems from security threats, including data encryption.
- Investigate the computer games industry and its impact on technological and social trends. Design and develop a computer game to meet requirements.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.

Core units ensure students have a good understanding of the core principles of Computer Science and how computer systems are built. Students also look at the important topic of systems security. Optional units enable students to develop skills in areas of interest such as games or app development.

Assessment:

Assessment is specifically designed to fit the purpose and objective of the qualification. It includes a range of assessment types and styles suited to vocational qualifications in the sector. There are three main forms of assessment – external, internal and synoptic.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at university or entry into full time employment.



At a Glance:

Mandatory units

Mandatory Units:

Principles of Computer Science (externally assessed exam)

Fundamentals of Computer Systems (externally assessed exam)

IT Systems Security and Encryption (internally assessed coursework)

Optional units

Computer Games Development (internally assessed coursework)

Mobile Apps Development (internally assessed coursework)

Skill Set for Success:

Ideally students should have the skills and knowledge from studying GCSE Computer Science demonstrating a keen interest in understanding programming concepts to help them adapt to different languages.

Head of Computer Science

Sarah Gooderham

sgooderham@morehouseschool.co.uk

Pearson Edexcel

BTEC Level 3 Subsidiary Diploma

Countryside Management

A two-year course designed to offer an engaging programme to support students who want to pursue a career in the countryside management sector.

Aims:

- Encourage knowledge and skills relevant to the countryside management sector through practical participation.
- Provide wider understanding and appreciation of the range of countryside management elements.
- Encourage development of communication, planning and team-working skills.
- Develop skills and techniques essential for success in higher education and working life, through presentations and in discussions, giving opportunities to express opinions.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- Core units develop knowledge of safe working and industry standard waste management practices, as well as knowledge of standard working principles and practices from work experience gained in the sector.

Assessment:

- There is a range of vocational assessments, both practical and written, which allow pupils to showcase their learning and achievements to best effect.
- All units are internally assessed and moderated by Pearson.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



Countryside Management

At a Glance:

Mandatory Units

- Undertake an Investigative Project in the Land-Based Sector

Optional Units

- Understanding the Principles of Wildlife Populations, Ecology and Conservation
- Undertake Estate Skills
- Understanding Principles of Physical and Biological Environmental Processes
- Understanding Heathland Habitat Management
- Undertaking Woodland Habitat Management

(Internally assessed - pupils will choose two of the above.)

Skill Set for Success:

No previous experience required but a keen interest in the Countryside Management sector is vital.

Teacher of Countryside Management

Angela Saunders

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Pearson Edexcel

BTEC Level 3 Subsidiary Diploma

Creative Digital Media Production

A two-year course designed to use a combination of assessment styles to give confidence to apply knowledge to succeed in the workplace and have study skills to continue learning on higher education courses. The BTEC course has been developed for post-16 learners who wish to develop knowledge and skills in media through a vocational focus which can be used to support further progression in media education.

Aims:

- Encourage knowledge and skills relevant to the media production industry through practical participation in a range of vocational activities.
- Provide wider understanding and appreciation of the range of media production sectors.
- Encourage development of communication, planning and team-working skills.
- Develop skills and techniques essential for success in working life, through presentations and in discussions, giving opportunities to express opinions.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- Core units enable the development of communication and research skills and knowledge of pre-production. There is also an opportunity to develop an understanding of health, safety and legal issues relating to pre-production. The optional unit takes an in depth look into Film Production.

Assessment:

- There is a range of vocational assessments, both practical and written which allows the pupils to showcase their learning and achievements to best effect.
- All Units are internally assessed and moderated by Pearson.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



Creative Digital Media Production

At a Glance:

Mandatory Units

- Pre-Production Techniques for the Creative Media Industries
- Communication Skills for Creative Media Production
- Research Techniques for the Creative Media Industries

Optional Units

- Single Camera Techniques
- Music Video Production
- Design Idents for Television

Skill Set for Success:

No prior knowledge is necessary for this qualification. However, a keen interest in the media industry is essential.

Head of Visual Arts

Chris Aldred

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Pearson Edexcel

BTEC Level 3 Extended Certificate in

Music (previously Subsidiary Diploma)

A two-year course designed to provide an engaging and stimulating introduction to the world of Music, enabling both progression to further study and leading to a route into solo music performance, musical theatre performance, developing musical ensemble and skills in live music.

Aims:

- Encourage knowledge and skills relevant to the music industry through practical participation in a range of activities.
- Provide wider understanding and appreciation of the range of music available.
- Encourage development of communication, planning and team-working skills.
- Develop skills and techniques essential for success in working life, through presentations, performance and in discussions, giving opportunities to express opinions.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- The core units enable the development of Music performance techniques.
- Optional units cover Solo music performance skill, composing music and music production techniques.

Assessment:

- All units are assessed either internally or through written examination.
- Pupils are encouraged to research and carry out assessment in the workplace, liaising with local companies.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



At a Glance:

Mandatory Units

- Ensemble Music Performance
- Practical Music Theory and Harmony
- Professional Practice in the Music Industry.

Optional Units

- Composing Music
- Music Promotion
- Music Performance Session Styles
- Solo Performance
- Music Software Skills

(Pupils will choose one of the above.)

Skill Set for Success:

Must have GCSE in Music grade 5 or above, or grade 4 certificate on your specialist musical instrument.

Director of Music

Mark Place

mplace@morehouseschool.co.uk

Teacher of Music

Hannah Stiff

hstiff@morehouseschool.co.uk

Pearson Edexcel

BTEC Level 3 Subsidiary Diploma

Performing Arts

A two-year course, the Extended Certificate is ideal for students who are interested in learning about the performing arts sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in performing arts.

Aims:

- Encourage knowledge and skills relevant to the performing arts industry through practical participation in a range of vocational activities.
- Encourage development of communication, planning and team-working skills.
- Develop skills and techniques essential for success in working life, through presentations and in discussions, giving opportunities to express opinions.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- All units place an emphasis on core knowledge and skills transferrable across other sectors.

Assessment:

- There are a range of vocational assessments, both practical and written, which allow pupils to showcase their learning and achievements to best effect.
- All units are internally assessed and moderated by Pearson.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



At a Glance:

Mandatory Unit

- Performing to an Audience

Optional Units

- Theatre for Children
- Classical Theatre Performance
- Contemporary Theatre Performance
- Auditions for Actors
- Drama Improvisation

(Internally assessed)

Skill Set for Success:

No prior knowledge or skills are necessary for this qualification although a passion for Performing Arts, is important.

Teacher of Performing Arts

Tom Kirkham

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Pearson Edexcel BTEC Level 3 National Certificate Applied Psychology

A one-year or two-year course designed in collaboration with employers and representatives from higher education and relevant professional bodies. The course provides both mandatory and optional content to ensure that all learners are following a coherent programme of study and acquiring the knowledge, understanding and skills that will be recognised and valued.

Aims:

All BTEC Nationals provide transferrable knowledge and skills that prepare learners for progression to university. The transferrable skills that universities value include the ability to:

- Learn independently.
- Research actively and methodically.
- Give presentations and be active group members.

Key features:

BTEC learners can also benefit from opportunities for deep learning where they are able to make connections among units and select areas of interest for detailed study. BTEC Nationals provide a vocational context in which learners can develop the knowledge and skills required for particular degree courses, including:

- Reading technical texts.
- Effective writing.
- Analytical skills.
- Creative development.
- Preparation for assessment methods used in a degree.

Assessment:

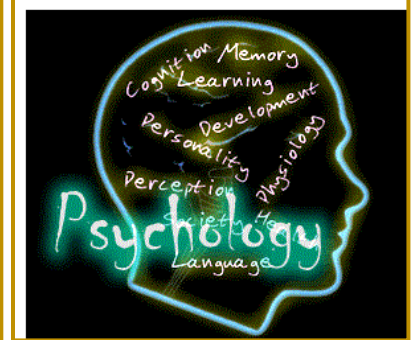
Assessment is specifically designed to fit the purpose and objective of the qualification. It includes a range of assessment types and styles suited to vocational qualifications in the sector. There are three main forms of assessment – external, internal and synoptic.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at university or entry into full time employment.



At a Glance:

Mandatory units

Psychological Approaches and Applications (Externally assessed)

Conducting Psychological Research (Internally assessed)

Health Psychology (Externally assessed)

Optional units

Criminal and Forensic Psychology (Internally assessed)

Promoting Children's Psychological Development (Internally assessed)

Introduction to Psychopathology (Internally assessed)

Applied Sport Psychology (Internally assessed)

Skill Set for Success:

The qualification is appropriate for students who benefit from a practical and applied approach to learning in a vocational context.

Teacher of Psychology

Neil Fitzpatrick

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Pearson Edexcel

BTEC Level 3 Subsidiary Diploma in Sport

A two-year course designed to provide a broad basis of study aimed at those interested in progressing to higher education and ultimately employment in the sport sector.

Aims:

- Encourage knowledge and skills relevant to the world of sport through practical participation in a range of activities.
- Provide wider understanding and appreciation of the Sport and Leisure Industry.
- Encourage development of communication, planning and team-working skills.
- Develop skills and techniques essential for success in working life, through presentations and in discussions, giving opportunities to express opinions.

Key features:

- Qualification graded at Level 3 Pass, Merit, Distinction, Distinction* and Unclassified.
- Equivalent to one GCE A Level as follows:
 - Pass equivalent to grade E - at GCE.
 - Merit equivalent to grade C - at GCE.
 - Distinction equivalent to grade A - at GCE.
 - Distinction* equivalent to grade A* - at GCE.
- Core units enable pupils to explore how the skeletal, muscular, cardiovascular and respiratory systems function and how fitness training supports improvements in health and well-being.
- Optional units allow pupils to expand their knowledge into more specific aspects of sport.

Assessment:

- All units internally assessed. These are moderated by Pearson.

Resources required:

- None required.

Progression:

- Achievement at Level 3 provides a foundation for further study at University or entry into full time employment.



At a Glance:

Mandatory Units

- Principles of Anatomy and Physiology in Sport
- The Physiology of Fitness
- Assessing Risk in Sport

Optional Units

- Fitness Testing for Sport and Exercise
- Leadership in Sport
- Exercise, Health and Lifestyle
- Practical Team Sports Performances

Skill Set for Success:

No prior knowledge or skills are necessary for this qualification although a high commitment to PE and sport, including extra-curricular activities, is important.

Head of Physical Education

Mike Williams

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Level 3 Diploma

Design Engineer Construct!

The Digital Built Environment

Design Engineer Construct! (DEC!) is a qualification that offers students the opportunity to develop a range of skills and knowledge fundamental to successful engagement in the professional aspects of the construction and built environment of industry.

With the support of industry leaders, professional bodies and progressive universities DEC! delivers an inspiring programme for students. Equivalent to GCE at A*-E.



Aims:

- Demonstrate knowledge and understanding associated with the construction industry.
- Demonstrate knowledge and understanding associated with energy and materials within construction projects.
- Demonstrate knowledge and understanding of how to evaluate data.
- Demonstrate knowledge and skills in industry design software.
- Deal with unfamiliar contexts drawing on learning and information provided.

Key features:

- A combination of coursework and exam.
- All candidates must complete the coursework before being eligible to take the exam.
- Students submit final work by May/June of the second year of study.

Assessment:

- Coursework, multiple choice and written examination.
- Grading scale – A*-E.

Resources required:

- None required.

Progression:

- DEC! offers students the opportunity to develop a range of skills and knowledge fundamental to successful engagement in the professional aspects of the construction and built environment sector of industry.

At a Glance:

DEC! is a challenging and rewarding project-based approach to learning. You will work your way through a portfolio and develop knowledge and skills by undertaking design of a sustainable building project and, through complementary workshops, have guaranteed face to face engagement with industry professionals.

Skill Set for Success:

You will need to be keen to develop:

- Practical skills in creativity and problem-solving in technological contexts of personal interest, developing an understanding of their place in the community and society.
- Safe, secure and responsible attitudes to working with other people.
- Skills for working collaboratively with industry computer software.
- Knowledge in the field of critical evaluation and feedback.

Head of Design, Technology & Engineering

Charles Stewart

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AQA

Level 3

Extended Project Qualification 7993

The Extended Project Qualification (EPQ) is a stand-alone qualification which allows students to develop and extend one or more of their study areas or an area of personal interest or activity. It will be based on a topic chosen by the student and agreed by the centre.

Aims:

- Identify, design, plan and complete an individual project, applying a range of organisational skills and strategies to meet agreed objectives.
- Obtain, critically select and use information from a range of sources; analyse data, apply it relevantly and demonstrate understanding of any appropriate linkages, connections and complexities of the topic.
- Select and use a range of skills, solve problems, take decisions critically, creatively and flexibly, to achieve planned outcomes.
- Evaluate outcomes both in relation to agreed objectives and own learning and performance. Select and use a range of communication skills and media to present evidenced outcomes and conclusions in appropriate format.

Key features:

- Students choose their own topic of enquiry, with recent investigations studying areas such as dyslexia and the education system and the most likely causes of animal extinction. At the end of the project students deliver a presentation on their research and their experience of the Extended Project.
- The EPQ is marked at A level standard, however it is AS-sized. The highest grade available is A*, carrying 28 UCAS points under the new tariff system. Lower grades equate to fewer UCAS points.
- Projects must be formally approved before significant work commences.

Assessment:

- Four assessment areas: Management, using resources, development and realisation and reviewing.
- Award is subject to submission of project logbook, presentation and written report of either 1000 words with a finished product or 5000 words independently.

Resources required:

- No specific resources required.

Progression:

- Excellent preparation for the type of independent work students will have to undertake at both university and in the workplace and is greatly valued by university admissions tutors. The qualification allows students to demonstrate they possess a breadth of important skills including independence, self-discipline, research management and presentation delivery.



At a Glance:

The Extended Project should take about 90 hours of students' own time. It is not a timetabled subject due to the individual nature of the project, but in order to produce an independent research project, the like of which the student is unlikely to have encountered before, students will be mentored with specific reference to research, referencing and presentation skills. Students may choose to carry out the project over either one or two years and will meet with the Extended Project Coordinator on a regular basis, keeping records in the project logbook.

Skill Set for Success:

Students will develop skills such as the realisation of the importance of self-discipline in independent work, how to make a project proposal, good communication and report writing skills, and public speaking.

Extended Project Coordinator

Frances Hudson

fhudson@morehouseschool.co.uk

