HARINGTON SCHOOL

WORKING TOGETHER FOR SUCCESS

'An outstanding school'

OFSTED 2017

HEAD OF SCHOOL WELCOME

I am delighted to welcome you to Harington School. I hope that this prospectus provides you with all the information you require to make an informed decision about where to study for your post-16 education and gives you a flavour of what makes the school special.

At Harington we expect a lot from our learners. We want students who are hardworking, committed and mature in their approach; students who will support each other and take advantage of all that the school has to offer.

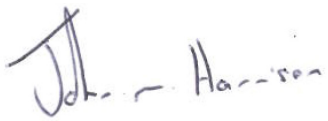
At Harington we are large enough to offer eighteen A level courses, each taught by a team of subject specialists, in modest size groups, delivered through a generous time allocation. We are small enough to know each student by name and to ensure that each learner feels well supported throughout their time at the school.

Outstanding academic success is an important feature of Harington but we know that on its own it is not enough. If you come to the school you will benefit from access to a wide range of extra-curricular opportunities, including an academic enrichment programme, The Duke of Edinburgh's Award, musical scholarship, leadership and sporting opportunities.

At Harington you will have all the support you need to access the next stage of your career, whether that is striving to attend the top universities, accessing high quality apprenticeships or entering the world of work. Our first class UCAS and careers programme, supported through our link with Oakham School, ensures that you are given high quality guidance throughout your time at the school.

Above all, we will help you grow in confidence and fulfil your true potential. In becoming a student at Harington you will be joining a caring environment in which all your achievements will be celebrated.

I look forward to meeting you.



John Harrison
Head of School

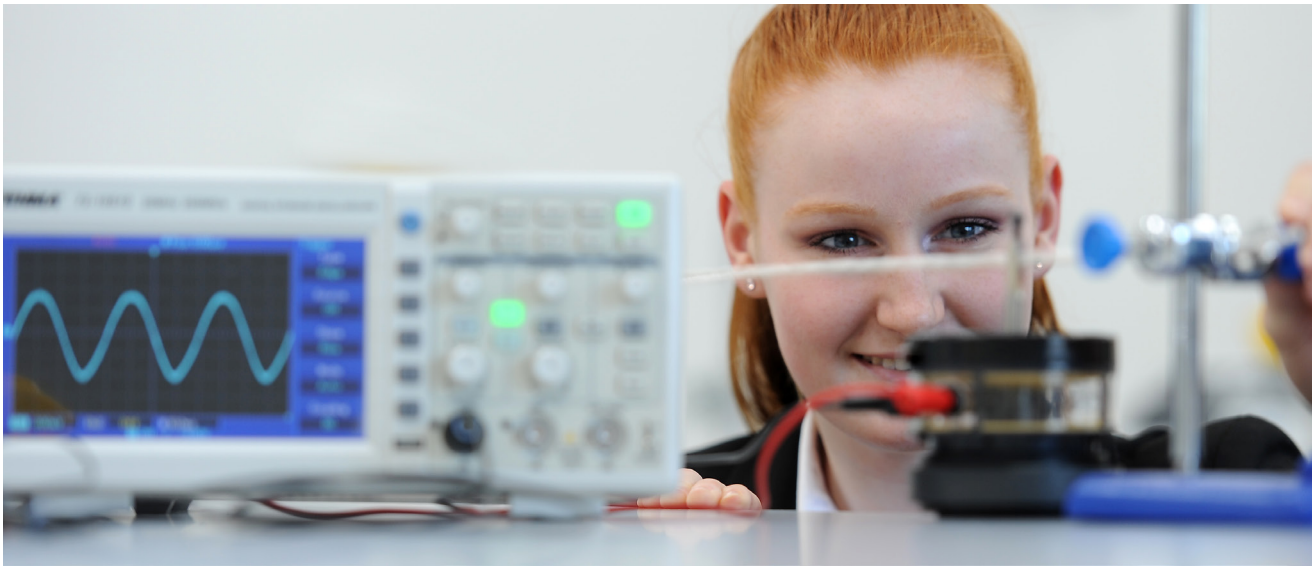
WHY APPLY TO HARINGTON

Harington School is a first rate learning environment, judged outstanding in all categories by Ofsted (January 2017). We are privileged to be large enough to offer a wide range of curriculum and enrichment activities but small enough to maintain a family ethos where all students are known personally.

Based in a state of the art building specifically designed for A level teaching, students benefit from being taught by a highly committed, experienced and talented teaching staff who are all subject specialists. Students are actively encouraged to engage in all the other opportunities available to ensure they leave as well-rounded and ambitious young adults.

Whether your interests are in music, The Duke of Edinburgh's Award, public speaking or sport, you will be well catered for. Most students attending the school ultimately apply for a degree or a high quality further education course, and are well supported by a comprehensive careers programme which includes pathways for specialist careers.

Alongside our academic subjects, students benefit greatly from accessing our academic enrichment programme, bespoke supports for competitive universities, and a full activity programme.



HARINGTON
SCHOOL

CURRICULUM OVERVIEW

The Harington curriculum is based on studying between 3 and 4 A levels and is suited to those learners who wish to pursue a demanding academic pathway. In particular, it is tailored to suit students who aspire to study at Russell Group universities or higher level apprenticeships.

It is our policy to offer a core of facilitating A level subjects. These are courses that are recommended as preparation for degree level study, that will therefore keep as many doors open as possible regarding degree choices.

All students will choose at least three A levels, with a smaller number studying four, after discussion. By choosing at least one (and more often 2, 3 or 4) facilitating subject(s) our sixth formers will have real choices about Higher Education options.

SUBJECTS OFFERED:

Art, Craft & Design	History
Biology	Mathematics & Further Mathematics
Chemistry	Music
Computer Science	Physical Education
Economics	Physics
English Literature	Psychology
French	Religious Studies
Geography	Spanish

All students will have the opportunity to complete an Extended Project Qualification (EPQ). This is worth half an A level and allows students the choice to specialize in an area of career interest.

THE TIMES
War to the death against the rich and their hangers-on, the bourgeois intellectuals; war on the rogues, the idlers and the rowdies
VLADIMIR LENIN, DECEMBER 27, 1917
Red October
Revolution that shaped a century

GILBERT
PROSTAR
Central

ACTIVITES

Our full and diverse activities programme is designed to allow all students the opportunity to both enjoy areas of interest, and develop valuable leadership skills. Students have the opportunity to participate in a range of sports. These include football, netball, badminton, table tennis and gym. For the competitive we have a full fixture list against other local providers. For students that enjoy performing we have an active music and drama group led by subject specialists. Students can also participate in a debating society or contribute to the active charities committee. A large majority of our students participate in Duke of Edinburgh (Silver and Gold) and this is actively encouraged and valued.

MUSIC SCHOLARS

Students entering Harington who have progressed to at least grade six in their music exams can apply to access a Music Scholarship to support their ongoing development in this area through peripatetic lessons. Harington school has its own music ensemble group which meet regularly and there are opportunities available to perform locally.

LAMDA DRAMA

Students who wish to develop their drama skills are able to access private tuition through one of our LAMDA qualified tutors.

THE DUKE OF EDINBURGH'S AWARD

At Harington we are delighted to offer the Duke of Edinburgh Scheme at Silver and Gold level. The award scheme challenges young people to serve others, acquire new skills, experience adventure and make new friends. At each level young people choose activities from all sections:

Volunteering Participants choose from commitments such as: first aid, child care, conservation, community sports leadership award, and fundraising.

Physical Recreation There is a wide range of sporting activities to select from.

Skills Participants can choose from many leisure time activities such as: learning an instrument, taking an art class and performing arts.

Expedition Participants plan, train for and then undertake a journey in the countryside. The level of intensity, distance and duration increases with each award level.

Residential Only at gold level is there a fifth element, a residential project where participants undertake a 5-day shared activity in a residential setting away from home.

The achievements and experiences students gain are widely recognised in education and employment.

SPORT

Extra-curricular sport is encouraged at Harington with opportunities available for students at least twice a week to participate in extra-curricular sport. Students have access to a high quality sports centre, astro-turf and netball pitches. We are proud to have an active sporting fixtures list against local sixth forms.

ACADEMIC ENRICHMENT/PATHWAYS TO SUCCESS

All students at Harington benefit from accessing our weekly academic enrichment programme; the purpose of which is to provide bespoke support and guidance to students to ensure they are fully prepared for life after sixth form. In terms 1-3 Year 12 Students opt into a session of their choice, either choosing a subject that they enjoy but don't necessarily study (e.g. conversational Spanish, the politics surrounding Brexit, creative writing, leadership lessons from the World Wars) or widen their knowledge of subjects studied (e.g. experiments in popular Psychology). From Term 4-6 our session become bespoke to focus almost entirely on future career pathways, whether this is through university, apprenticeship or direct work routes.

CAREER PATHWAYS

For those students considering very competitive courses such as Oxbridge, Medicine or Engineering we offer bespoke sessions guided by our subjects specialists and utilising the close links with Oakham School and the University of Leicester. This support includes visits to student conferences and the opportunity to attend subject-focused taster days. There will be one-to-one support for personal statements, interviews and admissions, along with tutorials, designed to prepare students for subject-specific admissions and external tests such as BMAT, LNAT and TSA.
For future medics, we provide support and guidance in order to ensure that students feel as prepared as possible for application to a Medical school. We have links with young doctors who offer individual mentoring to our potential medics, and 'Doc Soc' sessions in collaboration with Oakham School to support medics with mock interviews, admissions test and work experience.

CAREERS PROGRAMME

Throughout their time at the school, Harington students benefit from accessing a careers programme that provides them with opportunities to reflect on their future careers. Key highlights are identified below:

- A UCAS Fair with the top twenty Russell Group universities: run in partnership with Oakham school, this is a great opportunity for students to meet with universities early in their school life to discuss the requirements to access possible university courses.
- One to one interviews with local employers: taking place in Term 6 of Year 12, all students have an interview with a local employer. These sessions are a valuable learning experience for all students as they discuss their experiences, skills and future aspirations.
- One to one careers guidance: all students can access our independent careers advisor during their time at the school in order to discuss any bespoke questions regarding future careers and courses.
- Employment Fair: In Term 4 of Year 12 we invite local and regional employers into the school to meet with students, organise work experience, and discuss the future career pathways available within the area.

'Harington has encouraged me to apply for Pathways to STEM and Ambition Nottingham, of which I was successful on both. These university schemes have enabled me to access specialist lectures allowing me to make an informed choice about my future career. Simultaneuously, I received the opportunity to complete a work experience placement at Atkins Global'.

Subjects studied: Physics, Maths & Geography

A LEVEL ART, CRAFT & DESIGN (WJEC)

COURSE CONTENT & AIMS

The main purpose of any course in Art and Design is to develop your ability to appreciate the visual world, respond in a personal and creative way and contribute for the benefit of everyone. You will develop a working knowledge of materials, practices and technology within art, as well as the skills to interpret and convey your ideas and feelings using art, craft and design, building on your imaginative and creative powers and experimental, analytical and documenting skills.

TRIPS AND VISITS

Relevant galleries and museums, visiting artist workshops.

PROGRESSION

Many continue to specialist study at degree level and then on to employment as artists, illustrators, architects, and fashion designers or graphic designers, working in television, animation, film, advertising and the fashion industry. An Art, Craft and Design A level demonstrates creativity, concentration and independent learning, skills that all universities are looking for. Many use Art and Design as a supporting subject for applications to courses as diverse as Medicine and Geography.

ASSESSMENT

Coursework consists of two integrated constituent parts:
1. A major in-depth critical, practical and theoretical investigative project/portfolio and outcome/s based on themes and subject matter that have personal significance.
2. An extended written element of 1500 words minimum, which may contain images and texts and must clearly relate to practical and theoretical work using an appropriate working vocabulary and specialist terminology. (Internally marked and externally moderated)

Examination
1. Preparatory study period: The externally set assignment materials are to be released to learners from February until May (in the second year of the course) and will consist of a series of visual and written stimuli, which are presented to the learner at the start of the preparatory study period.
2. 15-hour period of sustained focus work in examination conditions.
The resolution of learners' ideas from the preparatory work must be completed during the designated 15 hours and they must show how their planning relates to the outcome/s. (Internally marked and externally moderated).

'This A level Art course has allowed me to develop my passion for the subject and both learn new skills whilst focusing on areas of interest to me'.

Subjects studied: Art, History and English

A LEVEL BIOLOGY (AQA)

'The connection between Harington and Oakham School has allowed me to enhance my application for medicine by attending the DocSoc programme, where I have attended talks from leading doctors and discussed medical ethics, gaining valuable insight for getting onto such a competitive course'.

Subjects studied: Biology, Maths & Chemistry

COURSE CONTENT & AIMS

A level Biology allows students to develop a scientific curiosity and logical approach to answering problems. It does this by stimulating a natural interest in how the human body functions and how we fit into the world around us. Students will learn about everything from the Biochemistry of living things to the Ecological aspects of how all organisms fit together within the Earth community. Studying Biology A level enables the development of key skills such as how to be analytical, critical and logical while cultivating scientific interest and stimulating inquiring minds.

Consequently, Biology makes an interesting and useful addition to any subject combination for any potential career.

This is an extensive practical and theoretical course, ranging from the study of the basic building blocks of life to how living things interact in the environment. It embraces the study of biochemistry and cells, animal physiology including the nervous and immune systems, DNA and how changes to its structure have profound biological effects. The course also covers genetics, gene technology and control of gene expression, and biodiversity and ecology.

TRIPS AND VISITS

Biology in Action and/or Science Live: A level lecture days, to hear talks from prominent UK scientists – speakers this year included Lord Robert Winston and Professor Steve Jones.

A one-day field trip at the end of the year to study and put into practice ecology and field work sampling techniques.

PROGRESSION

This course is vital to many careers such as medicine, dentistry, science and veterinary science, but also opens up great opportunities in diverse fields. The search for plentiful, healthy foods, new medicines, and sustainable agriculture always requires the versatile, investigative and analytical skills of biologists, which are also valued in many non-scientific industry sectors. The course is suitable for progression to biological and some medical courses. Biology is required for courses such as Medicine, Dentistry or Veterinary Medicine.

ASSESSMENT

3 written papers, 2 hours each. Papers 1 and 2 are both worth 35% of the total mark and examine Topics 1-4 (first year topics) and Topics 5-8 (second year topics), respectively. Paper 3 covers all 8 topics and is worth 30% of the final mark.

A LEVEL CHEMISTRY (OCR)

COURSE CONTENT & AIMS

This course enables students to develop an interest in, and enthusiasm for Chemistry, and appreciate how society makes decisions about scientific issues, understanding how the sciences contribute to the success of the economy and society. It encourages students to develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of how science works and of the different areas of chemistry and how they relate to each other. It is an interesting and engaging subject requiring and developing a variety of skills.
A qualification in Chemistry is highly valued, leading to a wide variety of careers. Chemical principles will be developed in the context of how chemistry is used in industry and at the frontiers of research through the four main branches of the subject: Physical Chemistry (thermodynamics, molecular and atomic structure and reaction kinetics), Inorganic Chemistry (underlying trends and patterns across the Periodic Table), Organic Chemistry (Study of the molecules on which life is built ranging from synthetic polymers to biochemical structures) and Practical Chemistry.

TRIPS AND VISITS

There will be the opportunity to visit the Chemistry in Action lectures which take place at several universities. As members of the Royal Society of Chemistry we are able to take advantage of any Chem Net events taking place and also have links to the Stem Ambassador Network.

PROGRESSION

Students who study Chemistry to A level might ultimately work in the chemical industry, become doctors, dentists, pharmacologists or environmental scientists. They are able to work in areas as diverse as Publishing, Technical writing, Patent law, Intellectual property Law, Finance and Investment Analysis as well as in the Public Services, Academia and Teaching.

ASSESSMENT

3 written papers.
Paper 1 is 2 hours 15 minutes and covers modules 1, 2, 3 and 5.
Paper 2 is 2 hours 15 minutes and covers modules 1, 2, 4 and 6.
Papers 1 and 2 are both worth 37% of the total mark.
Paper 3 is 1 hour 30 minutes and covers all modules.
Paper 3 is worth 26% of the final mark.
Followed by a practical endorsment in Chemistry.

A LEVEL COMPUTER SCIENCE (AQA)

COURSE CONTENT & AIMS

Computer Science is the science of computation. Far more than computers, Computer Science explores the mathematical concepts of number bases, Boolean algebra and binary arithmetic. This is a course that can be thought of as "Applied Mathematics" as you learn what makes a problem unsolvable or intractable and how abstraction can be used to reduce a problem to its relevant components. You will learn about theoretical concepts such as the Universal Turing Machine and Finite State Automata as well as learning real-world skills such as networking and database organisation. Central to the whole course is programming. You will learn the latest paradigms including Object-Oriented coding and will work on a large project of your choosing.

PROGRESSION

While A Level Computer Science leads into Computer Science at Degree level, its strong mathematical component makes it a good grounding for maths and engineering based degrees. The UK games industry is currently booming, and new tech start-ups are popping up everywhere, so a good background in programming opens up a large range of careers.

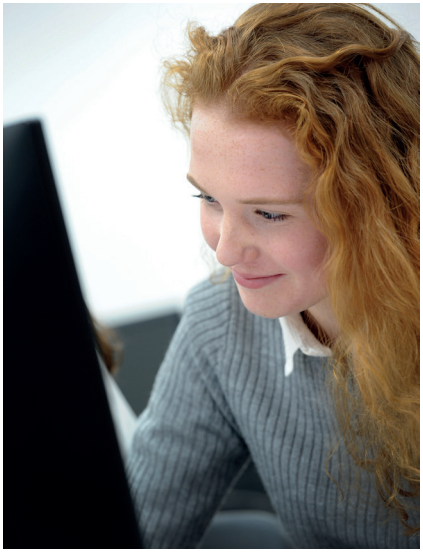
ASSESSMENT

There are there components to the assessment of A Level Computer Science:

- A written exam (40%)
- A computer-based exam (40%)
- A programming project (20%)

The written exam is a traditional exam in which the more theoretical aspects of the course are examined.

The computer-based exam focuses on the more practical elements. You will be issued with a pre-release in March – this is a mostly complete programme which you will study. During the exam you will be asked to explain parts of the code and make alterations to it and test it in order to achieve given objectives.
The programming project will involve planning, designing and creating your own application, either for PC or for smartphone/tablet, to meet a purpose.
You can design and plan your own project or pick one from a range of options.



'The Computer Science course has developed my understanding of the subject further from GCSE, and is know an area I am actively pursuing as a career'

Subjects studied: Computer Science, Chemistry, Geography.

A LEVEL ECONOMICS (AQA)

'I chose Harington and I knew it would allow me to achieve my potential. Economics is really well taught and the teacher is clearly passionate about her subject'

Subjects studied: Economics, Maths & Physics

COURSE CONTENT & AIMS

YEAR 1

Operation of markets and market failure
The economic problem
Price determination
Costs and revenue
The market mechanism and market failure
Government intervention

The national economy in a global context
Measuring macro-economic performance – Unemployment, inflation, Economic growth
How the macro economy works
Government policy

YEAR 2

Individuals, firms, markets and market failure
The labour market
Income and wealth
Poverty and inequality
The theory of the firm
Behavioural economics

The national and international economy
Economic performance
Role of the financial markets
Globalisation
Developing nations
Trade
Aid

TRIPS AND VISITS

The Department of Economics. Leicester University
Bank of England – London
Student Investor Challenge
Economics Society at Oakham School

PROGRESSION

Economics students develop the kind of skills that employers demand and often progress to work for large corporations, banks and the government. A qualification in Economics can also support careers such as Marketing, Law, Journalism or Teaching. The top seven degree courses taken by students who have A Level Economics are: Economics, Business, Politics, Accounting, Management, Maths and Finance.

ASSESSMENT

At the end of the two year course you will sit three two hour written exams – each exam will be worth one third of the A level paper.
The paper will feature a range of question styles including multiple choice questions, short answer questions, essay questions, data response questions and case studies.

A LEVEL ENGLISH LITERATURE (OCR)

COURSE CONTENT & AIMS

The OCR course is unashamedly ambitious, covering a wide range of texts and genres: Renaissance dramas like John Webster's 'The Duchess of Malfi' and William Shakespeare's 'Hamlet'; John Milton's 'Paradise Lost'; Mary Shelley's 'Frankenstein' and Angela Carter's 'The Bloody Chamber', as well as a range of literature written post-1900, such as Tennessee William's 'A Streetcar Named Desire', and at least one text written post- 2000, such as Carol Ann Duffy's 'Feminine Gospels'.
The coursework component offers freedom in terms of task choice; all students write a comparative essay on a question of their choice and can then choose between a critical analysis, or a re-creative piece and commentary.

TRIPS AND VISITS

There is a wide and ever-changing range of opportunities on offer to enrich your study of English Literature, including theatre trips, workshops, lectures, study days and partnership activities with Oakham School English department.
In the past, students have visited Stratford to see the RSC's production of 'Hamlet' and participate in a drama workshop; watched the NT live cinema broadcast of 'Hamlet' starring Benedict Cumberbatch and went to the Nottingham Playhouse to see 'The Duchess of Malfi'

PROGRESSION

English Literature is a highly regarded A level that can take students onto almost any course of study. It is an essential choice for students considering an English degree, but would be a good option for students considering Humanities subjects, Languages or Law. It could lead onto many careers in fields as diverse as journalism, the creative industries, law, education, media, theatre, the civil service, publishing and academia.

ASSESSMENT

Component 01: Drama and Poetry pre-1900, 2.5 hour paper worth 40%
Component 02: Comparative and Contextual study, 2.5 hour paper worth 40%
Component 03: Post-1900 literature Coursework, worth 20%

A LEVEL FRENCH (AQA)

COURSE CONTENT & AIMS

The A level French course builds on the four key skills of listening, reading, speaking and writing. These skills are developed through a broad area of study, divided into four key themes, focusing on the culture of countries and communities where French is spoken. Students study social and technological change alongside aspects of French - speaking artistic culture. The influence of the past on present day French - speaking countries is also explored. Current social and political issues are examined in the second year of the course. Students undertake an individual research project in the second year, to be discussed in the oral exam and will also study a film and a text. The aim of the course is to develop the students' technical French and to help them develop into confident communicators who have a sound understanding of French culture.

TRIPS AND VISITS

There will be the opportunity to take part in an immersion trip to France through the medium of work experience.

PROGRESSION

French A level is highly regarded by universities and can lead to a wide variety of Degree courses and career opportunities. French can be combined with a variety of subjects such as History, Law, Business Studies and Marketing. Studying French at A Level can also be combined with another language, such as Russian and Italian. Traditional careers such as teaching, translating and interpreting and civil service are often pursued, but language graduates are highly valued and sought after by employers in the business and commercial world enhancing your skills of essay writing and extended reports.

ASSESSMENT

The course is linear and assessment is by three terminal examinations.
Paper 1: (2 1/2 hours)
Listening, reading, writing.
Grammar - translation
Paper 2: (2 hours)
Written responses in French to questions on the film and the text.
Paper 3: (21-23 minutes)
Speaking. Discussion of a sub-theme and individual research project.

'French was my number one choice for A levels and I have not been disappointed. The quality of teaching has been excellent.'

Subjects studied: French, Economics & History

A LEVEL GEOGRAPHY (OCR)

Fieldwork remains a key element for students with both residential and overseas trips organised.

COURSE CONTENT & AIMS

The OCR A level in Geography has been designed to give learners the knowledge, understanding and skills necessary to become engaged global citizens. Through the study of dynamic and contemporary content, learners can understand and interact with issues which affect people and places at a range of scales from local to global – and all that is in between.

A level in Geography will enable learners to:

- Develop their knowledge of locations, places, processes and environments, at all geographical scales from local to global.
- Become confident and competent in selecting, using and evaluating a range of quantitative and qualitative skills and approaches, (including observing, collecting and analysing geo-located data) and applying them as an integral part of their studies.
- Understand the fundamental role of fieldwork as a tool to understand and generate new knowledge about the real world, and become skilled at planning, undertaking and evaluating fieldwork in appropriate situations.

TRIPS AND VISITS

Geographical and fieldwork skills are fundamental to the study, practice and discipline of geography. A four day residential is planned for the end of Year 12 to enable students to apply the theory studied in the classroom and to collate data for independent investigation. The estimated cost of residential fieldwork is £200.

PROGRESSION

Geography combines well with both Arts and Science subjects. It is an obvious choice for careers in sustainability and green issues, urban regeneration, energy supply, retail location, managing the effects of hazards and climate change. In the world of business an understanding of global economics forms an important part of geography. Geography is a good choice to give your A level options the breadth that universities like, as well as enhancing your skills of writing essays and extended reports.

ASSESSMENT

Physical Systems (01): (24% of A Level, 1 hour and 45 mins exam)
Human Interactions (02): (24% of A Level, 1 hour and 45 mins exam)
Geographical debates (03): (32% of A Level, 2 hour and 30 mins exam)
Investigative Geography (04/05): (20% of A Level, Centre Assessed)

A LEVEL HISTORY (EDEXCEL)

COURSE CONTENT & AIMS

History combines the excitement of exploration and discovery with the sense of reward born of successfully confronting and making sense of complex and challenging problems. The purpose of historical inquiry is not simply to present facts but to search for an interpretation of the past. Historians attempt to find patterns and establish meaning through the study of evidence. History complements other subjects. It provides skills and understanding that will always be valuable in any career. The study of History has a civilising influence on our society. It is the source of our political, social and ethical ideals. Students at Harington will enjoy the study of people, patterns and changes in the past.

The course will focus largely on modern history. In Year 12 students will focus on the theme of communist states in the twentieth century with studies on Russia 1917-91 and East Germany 1949-90. In Year 13 coursework will focus on historians' interpretations of the Holocaust. The final examined paper will be on Britain and the changing nature of warfare 1790-1918.

TRIPS AND VISITS

Students studying history benefit from a range of trips, such as the Holocaust residential trip.

PROGRESSION

History goes well with other Arts and Social Science subjects like English, Geography or Philosophy. Students can go on to university and then specialise in a range of subject areas, from the History of Art to transport history. With a qualification in History, you can go on to work in a great variety of jobs in law, business and administration, the police service, the armed forces, journalism and the media, leisure and tourism, as well as more 'obvious' History-related careers like teaching or working in museums or libraries.

ASSESSMENT

Paper	Topic	% of Final Grade	When Covered
1	Russia 1917-91: From Lenin to Yeltsin	30	Year 12
2	The German Democratic Republic 1949-90	20	Year 12
3	The British Experience of Warfare c1790-1918	30	Year 13
Coursework Enquiry	Interpretations of the Holocaust	20	Year 13

SZANOWNI PAŃSTWO !
WCHODZICIE NA TEREN BYŁEGO
NIEMIECKIEGO, NAZISTOWSKIEGO
OBOZU KONCENTRACYJNEGO "PŁASZÓW".
PROSIMY O ZACHOWANIE ZGODNE Z POWAGĄ
TEGO MIEJSCA.
DEAR VISITORS !
YOU ARE ENTERING THE SITE OF THE FORMER
NAZI GERMAN
CONCENTRATION CAMP "PŁASZÓW".
PLEASE RESPECT THE GRIEVOUS HISTORY
OF THE SITE.

A LEVEL MATHEMATICS (EDEXCEL)

COURSE CONTENT & AIMS

If you enjoy Maths and feel confident with the work you have met so far at GCSE, then you should seriously consider this course. It is an exciting subject studying numbers, quantities, shape, space, their relationships, and a lot more. It attempts to describe this world as accurately and rigorously as possible, and thus is widely regarded as "the most precise human language". The subject has got a huge number of fields and branches, and is fundamental to much of science and technology.

A level Mathematics will enable you to;

- Understand mathematics and mathematical processes in a way that promotes confidence, fostering enjoyment and providing a strong foundation for progress to further study, and extend your range of mathematical skills and techniques.
- Understand coherence and progression in mathematics and how different areas of mathematics are connected, applying mathematics in other fields of study and be aware of the relevance of mathematics to the world of work and to situations in society in general.
- Use your mathematical knowledge to make logical and reasoned decisions in solving problems both within pure mathematics and in a variety of contexts, and communicate the mathematical rationale for these decisions clearly.
- Reason logically and recognise incorrect reasoning, generalising mathematically, constructing mathematical proofs in order to use your mathematical skills and techniques to solve challenging problems which require them to decide on the solution strategy.
- Recognise when mathematics can be used to analyse and solve a problem in context, representing situations mathematically and understand the relationship between problems in context and mathematical models that may be applied to solve them.
- Interpret solutions and communicate their interpretation effectively in the context of the problem, reading and comprehending mathematical arguments, including justifications of methods and formulae, and communicate their understanding.
- Use technology such as calculators and computers effectively and recognise when such use may be inappropriate.

PROGRESSION

Mathematical ability is very highly regarded by both universities and employers.
An A level in Maths is essential for many degree courses (such as Physics, Engineering and, of course, Mathematics itself) and is highly desirable in a wide range of subjects such as Chemistry, Natural sciences, Architecture, Computing and Economics.
There is a national shortage of mathematicians, and employment prospects are good.

ASSESSMENT

This course will be assessed over three papers, each representing one third of the overall grade, all of which have to be sat in the same academic year.
Papers 1 and 2: (Pure Mathematics 1 and 2) will assess proof, algebra and functions, coordinate geometry, sequences and series, trigonometry, exponentials and logarithms, calculus, vectors and numerical methods.
Paper 3: (Statistics and Mechanics) is in two sections. In the Statistics section students will be assessed on statistical sampling, data presentation and interpretation, probability, statistical distribution and hypothesis testing. In the Mechanics section students will be assessed on quantities and units in mechanics, kinematics, forces and Newton's laws and moments.

A LEVEL FURTHER MATHEMATICS (EDEXCEL)

'Further Maths has been a real step up from GCSE. I have loved the challenge that studying this subject brings'.

Subjects studied: Mathematics, Further Mathematics, Physics and Art & Design

COURSE CONTENT & AIMS

This is a challenging qualification, which both extends and deepens your knowledge and understanding beyond the standard A level Mathematics. For someone who enjoys mathematics, it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts. As well as learning new areas of pure mathematics you will study further applications of mathematics in mechanics, statistics and decision mathematics.

Students who take Further Mathematics find that the additional time spent studying mathematics boosts their marks in single A level Mathematics.

This course builds on all that is covered in A level Mathematics and provides the opportunity to work on decision mathematics or more advanced statistics and mechanics.

PROGRESSION

A level Mathematics makes the transition from sixth form to university courses that are mathematically rich much easier. If you are planning to take a degree such as Engineering, Sciences, Computing, Finance/Economics, etc. or perhaps Mathematics itself, you will benefit enormously from taking Further Mathematics, at least to AS Level. AS Further Mathematics introduces new topics such as matrices and complex numbers that are vital in many STEM degrees. Further Mathematics qualifications are highly regarded and are warmly welcomed by universities. Some prestigious university courses require you to have a Further Mathematics qualification and others may adjust their grade requirements more favourably to students with Further Mathematics.

ASSESSMENT

This course will be assessed over four papers, each representing one quarter of the overall grade, all of which have to be sat in the same academic year. Papers 1 and 2 (Further Pure Mathematics 1 and 2) will assess Proof, Complex numbers, Matrices, Further algebra and functions, Further calculus, Further vectors, Polar coordinates, Hyperbolic Functions and Differential equations. Unlike the Mathematics A level pupils can choose what further areas they wish to study by choosing two papers from the following list. Further Pure Mathematics 3 (Further calculus, Further differential equations, Coordinate systems, Further vectors, Further numerical methods, Inequalities), Further Pure Mathematics 4 (Groups, Further calculus, Further matrix algebra, Further complex numbers, Number theory, Further sequences and series), Further Statistics 1 (Linear regression, Statistical distributions (discrete), Statistical distributions (continuous), Correlation, Hypothesis testing, Chi squared tests), Further Statistics 2 (Probability distributions, Combinations of random variables, Estimation, Confidence intervals and tests using a normal distribution, Other hypothesis tests and confidence intervals, Probability generating functions, Quality of tests and estimators), Further Mechanics 1 (Momentum and impulse, Collisions, Centres of mass, Work and energy, Elastic strings and springs), Further Mechanics 2 (Further kinematics, Further dynamics, Motion in a circle, Statics of rigid bodies, Elastic collisions in two dimensions), Decision Mathematics 1 (Algorithms and graph theory, Algorithms on graphs, Algorithms on graphs II, Critical path analysis, Linear programming) or Decision Mathematics 2 (Transportation problems, Allocation (assignment) problems, Flows in networks, Dynamic programming, Game theory, Recurrence relations, Decision analysis)

A LEVEL MUSIC (EDEXCEL)

COURSE CONTENT & AIMS

This course will allow you to build on your musical understanding, as well as developing your skills in performance and composition. Over the two years, you will study a variety of set works as well as listening to unfamiliar music from a wide variety of genres. As well as studying and listening to music, there will be numerous opportunities for you to develop as a practical musician.

TRIPS AND VISITS

Trips to musical performances and university music days.

PROGRESSION

Studying A level Music opens the door to a wide variety of courses at university and also various job roles in the performing arts industry. Music graduates have a wide range of career options available to them both inside and outside the industry, including: performer, teacher, administrator, songwriter, conductor, composer, recording engineer, manager, promoter, or music publisher.

Even if you are not planning to study Music at university, A level Music is still a fantastic opportunity for you to develop your talent as a musician.

ASSESSMENT

This course is assessed through three modules at the end of Year 13.
Unit 1: Performing: 30% of the overall qualification, assessed through a recital on your instrument.

Unit 2: Composing: 30% of the overall qualification, assessed through two compositions. One composition will be a free composition, and one will be to a brief given by the exam board.

Unit 3: Listening: 40% of the overall qualification, assessed through a 2 hour listening examination at the end of Year 13. In the examination, you will be required to listen to both the set works and unfamiliar music, and answer a range of music theory and essay questions.

Students who wish to continue developing their musical skills can access music scholarships, with subsidised private tuition available in School.

SARABANDE ET ALLEGRO
YAMAHA

A LEVEL PHYSICAL EDUCATION (AQA)

COURSE CONTENT & AIMS

This course aims to provide students with an understanding of the physiological and mechanical demands of performance in sport, the psychological factors influencing behavior in sport and the historical and cultural aspects of participation in sport.
This will contribute to student's ability to analyse performance and execute skills and tactics in one sport as either a performer or coach.
Anatomical, physiological, psychological and sociological theories will be studied and how they apply to sporting activity.

TRIPS AND VISITS

Loughborough University Sport Science Trip: Students will have the opportunity to have a tour of Loughborough University. They will also gain an insight into university life and what it means be a an elite sports student. Pupils will experience the world class sporting facilities and unrivalled sporting opportunities on offer at Loughborough.
Students will be encouraged to take part in coaching and officiating courses to gain extra qualifications. They will also be given the opportunity to assist in the coaching of sports teams and delivery of inter-house competitions at Catmose College This will gain competencies attractive to employers and university admissions linked to health, sport, industry and education.

PROGRESSION

Students wishing to pursue Sports Science to a higher level should combine this course with at least one science. This is also beneficial for a career in teaching, students also often choose Geography, Sociology or English. For those interested in sport or leisure industry, Psychology or Economics complement the Physical Education A level. A level Physical Education leads onto many sports-related degree courses and is also valuable for medical-related courses such as Occupational therapy and Physiotherapy. Its wide variety of skills will stand students in good stead for most university courses.
The sport industry is huge and offers a wide variety of career opportunities in areas such as sport science, sports studies, sports coaching and development, sports therapy, sports psychology, teaching, biomechanics, leisure management, sports technology or the Armed Forces.

ASSESSMENT

Paper 1: Factors affecting participation in physical activity and sport
Applied anatomy and physiology, Skill acquisition, Sport and Society (2 hours) (35% of A level).
Paper 2: Factors affecting optimal performance in physical activity and sport
Exercise physiology and biomechanics, Sport Psychology, Sport, society and technology in sport (2 hours) (35% of A level)
Non exam assessment: Practical performance in the full competitive context of a sport in the role of either performer or coach in one activity. Students must also complete an extensive written analysis and evaluation of a performance in their chosen sport (30% of A level)

A LEVEL PHYSICS (EDEXCEL)

'I have enjoyed tackling the challenging yet rewarding concepts of physics. Mr Foxall was always on hand for helping me with anything from past paper questions to physics related work experience. If you enjoy solving problems opposed to reading text books then Physics is for you'.

Subjects studied: Physics, Maths and Chemistry

COURSE CONTENT & AIMS

Physics is a challenging and interesting subject that will help you to understand the world and universe around you. It is also an important qualification for many careers. If you have an inquisitive mind and want to understand how the world works, the study of physics will provide many of the answers. This course will develop your essential scientific knowledge and understanding, as well as establish sound links between theory and experiment. The ability to work in groups as well as independently is paramount in your development during the course. A level Physics also provides you with the skills to apply physics knowledge to another subject area at university, as it is highly regarded as a test of problem-solving ability and logical thought. The Physics course will effectively cover the 'rules of the universe'. In Year 12 the topics studied are: materials, waves and the particle nature of light, mechanics and electric circuits. The topics studied in Year 13 will be: further mechanics, gravitational fields, electric and magnetic fields, nuclear and particle physics, nuclear radiation, thermodynamics, oscillations and space.

PROGRESSION

The skills gained whilst studying A level Physics are the gateway to many courses and occupations. Typical careers include Applied Physics, Astrophysics, Geophysics, Material Technology, Forensic Science, Engineering, Meteorology, Medical Physics and the Space Industry. Physics complements intended careers in Medicine, Mathematics, Computing, Finance, Law, Accountancy and many more areas.

ASSESSEMENT

Assessment at the end of Year 13

Paper	Details	Topics covered
1	A 1 hour and 45 minutes 90 mark examination worth up to 30% of the overall assessment content is covered in this paper.	Working as a Physicist / Mechanics Electric circuits / Further mechanics Electric and magnetic fields / Nuclear and particle physics
2	A 1 hour and 45 minutes 90 mark examination worth up to 30% of the overall assessment. The other half of the specification content is covered in this paper.	Working as a Physicist / Materials Waves and the particle nature of light / Thermodynamics Space / Gravitational fields / Oscillations
3	A 2 hour and 30 minutes 90 mark examination worth up to 40% of the overall assessment. All specification content is covered in this paper.	All topics from the whole 2 year course.

Assessment of practical competency

There is a teacher assessment throughout the whole 2 year course of a student's performance in 16 core practicals. Competency is reported separately to the final A level grade.

A LEVEL PSYCHOLOGY (AQA)

COURSE CONTENT & AIMS

Psychology A level will provide you with the skills you need to understand human behaviour and will help prepare you for further education by ensuring you are able to think critically and analytically about the world around you. You can expect to develop an understanding of different schools of psychological thought such as behaviourism, humanism and the biological, cognitive and psychodynamic approaches and how these offer opposing or complimentary explanations of human behaviour. You will learn how topical issues, such as eyewitness testimony, offender profiling, obedience, mental illness and gender can be better understood according to different psychological perspectives and how psychological research into these areas have real life applications such as affecting social policy and aiding the economy.

Students will be expected to:

- Demonstrate knowledge and understanding of psychological concepts, theories, research studies, research methods and ethical issues.
- Apply psychological knowledge and understanding in a range of contexts including
- novel scenarios.
- Analyse, interpret and evaluate psychological concepts, theories, research studies and research methods.
- Evaluate therapies and treatments including in terms of their appropriateness & effectiveness.
- Demonstrate knowledge and understanding of research methods, scientific processes and techniques of data handling and analysis, be familiar with their use and be aware of their strengths and limitations.

'Psychology is without doubt my favourite subject. It is incredibly well taught and every lesson is different.'

Subjects studied: Psychology, Economics and Maths.

TRIPS AND VISITS

In the past, students have visited the Crime Museum Uncovered and The Jack the Ripper Museum to see how forensic psychology has been applied in real life. There will be opportunity to visit lectures from current and leading psychologists and potentially opportunities to look at psychology in action.

PROGRESSION

Studying psychology at A level will open the door for further study at degree level and a range of employment opportunities. Graduates of psychology can choose to specialise in Clinical psychology, Educational psychology, Forensic psychology, Sports psychology or Counselling, to name a few. Careers in business, marketing, human resources, education and healthcare are among those that will appeal to students who have studied psychology at A level and beyond.

ASSESSMENT

Paper 1: Introductory topics in psychology – Social influence, memory, attachment, psychopathology
Paper 2: Psychology in context – Approaches in psychology, biopsychology, research methods
Paper 3: Issues and options in psychology – Issues and debates, schizophrenia, gender, forensic psychology

A LEVEL RELIGIOUS STUDIES (OCR)

'Religious Studies has given me the opportunity to look at the world from a number of different perspectives. The content has really fascinated me.'

Subjects studied: Religious Studies, Music & Geography.

COURSE CONTENT & AIMS

This A level aims to impart a deep knowledge about religion and the philosophical and ethical questions that such a study poses. In learning about the history and beliefs of Christianity, questions are discussed such as: Does God(s) exist? Are there both physical and non-physical parts to human nature? How do we know what is morally right and wrong? How can we use language to discuss ethics and religion? The most enduring of philosophers' responses are studied and students emerge from the course with an excellent grounding in the history of ideas that have shaped current beliefs in society.

Students will both broaden and deepen their appreciation of religious ideas and practice and their relevance in society. In this new specification there is an emphasis on understanding some of the conflicts in society that are posed by a multi-religious society and to become informed as to both cause and consequence.

TRIPS AND VISITS

We are planning to offer a trip to Krakow, Poland to visit Auschwitz, alongside a theatre trip and a visit to a religious studies conference.

PROGRESSION

The skills acquired through studying the course include critical thinking, essay construction and deep analysis and evaluation. As a result, the A level is excellent preparation for a broad range of university courses including Law, English and History. Many students are also attracted to study the subject before pursuing a medical career due to the content relating to questions of Medical Ethics. An inevitable characteristic of any Religious Studies A level classroom is healthy debate and discussion which itself develops crucial personal skills that relate to any workplace. Universities hold the subject in high regard due to its ability to prepare students for higher education through its rigorous engagement with critical argument.

ASSESSMENT

The A level is assessed through three examination papers at the end of two years, one for each of the components studied.

	Title	Marks	Duration of Exam	Weighting
Component 1	Philosophy of Religion *Three questions from four*	120	2hr	33.3%
Component 2	Religion and Ethics *Three questions from four*	120	2hr	33.3%
Component 3	Developments in Religious Thought *Three questions from four*	120	2hr	33.3%

A LEVEL SPANISH (AQA)

COURSE CONTENT & AIMS

Spanish A level aims to develop students' speaking, listening, reading and writing skills, in order to provide students with the means to express their ideas through the language. The use of Spanish as the principal means of communication in the classroom plays an important part in this course and prepares students for role-play, discussion and general conversation in the final exam.

Spanish is the world's second most spoken language, after Chinese, and is the second most used language in international communication. By 2030, 7.5% of the world's population will be native Spanish speakers, approximately 535 million people. In 3 or 4 generations, it is estimated that 10% of the world's population will understand Spanish. It is the mother tongue of approximately 426 million people in the world and is the official language in 21 countries. Learning Spanish will increasingly open doors to new job opportunities and international trade. Not only is learning Spanish becoming increasingly crucial in terms of the global economy, it can also play a major role in your own personal development. The Spanish passion for living is contagious, and once you start to learn about their language and culture, you won't ever want to stop.

PROGRESSION

A level Spanish can help with many career paths. For those who want to specialise in language, there is translation, teaching or interpreting. For those looking towards a career in travel, business, media, hospitality and tourism, being proficient in a language will give you even broader career options in a number of fields including engineering and designing. Spanish, as with any foreign language, is an invaluable asset in the vast majority of employment sectors and vocations. It can also be readily combined with many other degree subjects at university. Leaving university with the ability to converse fluently in Spanish will only increase the opportunities available to you.

ASSESSEMENT

Paper 1: (Listening, Reading and Writing) (50% of A level)

- Aspects of Hispanic society
- Artistic culture in the Hispanic world
- Multiculturalism in Hispanic society
- Aspects of political life in Hispanic society
- Grammar

Paper 2: (Writing) (20% of A level)

- One text and one film or two texts from the list set in the specification
- Grammar

Paper 3: (Speaking) (30% of A level)

- Individual reasearch project
- One of four sub-themes related to Hispanic society

LEVEL 3 EXTENDED PROJECT QUALIFICATION (EPQ)

'I have loved working independently on a topic that really interests me, in my case the significance of religious studies in pop culture. The EPQ is valued highly by universitites as it develops all the skills required on under-graduate courses'

Subjects studied- Religious Studies, English and Art.

WHY CHOOSE TO COMPLETE THE EPQ?

The EPQ is a stand alone qualification that allows students to extend and develop their skills in independent research and project management. The project allows students to research an area of interest in depth and leads to the acquisition of skills that will not only assist with A level studies, but also will prepare students for undergraduate study or their future career.

The qualification is very popular with universities, and often leads to lower offers being made for undergraduate entry.

CONTENT

Students will receive up to 30 hours tuition during Year 12 in their teaching and learning and EPQ sessions. Skills covered will include: effective note taking, researching, referencing and producing effective presentations. The completion of the assessed components will be carried out independently by the student during their own study time either at school or at home.

ASSESSMENT OF THE EPQ

The EPQ is assessed by completion of:

A log book, as set out by the examination board, to detail the student's EPQ journey.

Either a written specialist report of a minimum 5000 words, or an artefact with a written specialist report of a minimum of 1000 words.

A presentation.

The EPQ is worth half an A level and is graded from A* to E. The EPQ can be used to earn extra UCAS points.

PROGRESSION

An increasing number of universities are including the EPQ in their offers to students.
"Nearly 1 in 5 successful applicants to Durham had completed the EPQ"
- The Sunday Times

Examination board website
http://www.aqa.org.uk/subjects/projects/aqa-certificate/EPQ-7993

All students at Harington School will have the opportunity to complete the EPQ.

PASTORAL SUPPORT

Harington School is committed to providing a holistic education for all its students, and we understand the challenges of making a successful transition to A level study. Not only are we providing a platform for further education and careers, we want to ensure our students are prepared for independent living and life beyond education. The tutor system at Harington is designed to provide students with an environment where they can forge relationships with both their peers and their tutor. We believe that it is this regular contact and tutor-tutee relationship that provides the ability to look after our students and ensure that any issues they may face during their sixth form education are dealt with in an effective manner.

The comprehensive tutorial programme is designed to cover a range of issues and skills which are specific to the needs of an A level student. This incorporates personal, social and health education (PSHE), current affairs, teaching and learning based sessions and mentoring slots. The PSHE programme allows students to look at issues such as risk-taking behaviour, driving safety, careers and finance.

Students have the opportunity at Harington to take on positions of responsibility and share their views on school-related matters. Students are offered the chance to apply to become senior prefects or head boy or girl. Students may also wish to apply to become part of the School Senate, a forum for discussing ideas and forming committees including to arrange the school formal and year book. Students are encouraged to work as subject mentors with younger students from partner schools.

FACILITIES

Students benefit enormously through being based within our brand new four million pound building. Built over two floors, the Harington building comprises sixteen classrooms, four specialist science labs, music and art facilities and a number of seminar rooms. Students have access to a number of spaces for private study, each with their own computers. Students can use their own devices freely within the School through our fully integrated IT system. At the heart of Harington School is a large hall area that is used for weekly assemblies alongside presentations from a range of outside speakers.

HOW TO APPLY

We are delighted that you are considering applying to Harington.
Each year, Harington School offers 150 places in Year 12 to students who meet our admissions criteria.

For admission to Harington School, our usual minimum requirements are:

- Five GCSEs at grade 6 or above.
- Mathematics and English at grade 5 or above.

Students will need to have achieved a grade 6 or above in the subject that they wish to take at A level.

The first stage of our application process is to complete a short application form.
This is available via our website www.haringtonschool.com or by contacting the school office on:
01572 772579 or email office@haringtonschool.com.

Once we have received all applications we will then invite you to an individual interview.
This stage of the process is designed to support your application, including careers guidance
on subject combinations and answering any questions you may have about the school.

HUNTSMANS DRIVE, OAKHAM, RUTLAND

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