

# 2019

## ETON COLLEGE

### UNIVERSITIES SUMMER SCHOOL

*Only students in maintained schools are eligible*

*The Summer School (established in 1982) is a ten-day residential course for pupils at the end of their first year in the Sixth Form and contemplating entry to University in 2020. Applicants should have the intention of going to a British university and be of the calibre of those applying for admission to Oxford or Cambridge. As far as possible the course supplements normal school work and avoids the topics covered during Advanced Level teaching. The aim is to provide an intensive and exciting programme to enrich the intellectual experience of those participating and to give them the opportunity to exchange ideas with able students with similar interests from other schools.*

Further information can be obtained on the Eton College Website [www.etoncollege.com](http://www.etoncollege.com)

**Applications must reach:  
Universities Summer School Secretary  
Eton College  
Windsor SL4 6DW  
by 1 March 2019  
Late applications will not be considered.**

If further copies of this document are required please duplicate it. However, it is very important that all applicants should read carefully the details of the entire document before applying for a place on the Summer School.

## GENERAL ARRANGEMENTS

**Date:** Tuesday 2<sup>th</sup> July until Friday 12<sup>th</sup> July 2019.

**Numbers:** 130 boys and girls.

**Accommodation:** Individual rooms in boarding houses.

**Teaching:** By Eton staff.

**Fee:** Thanks to generous sponsorship, the inclusive fee for board, lodging and tuition will be £475. The fee may be remitted partially or wholly, in a case of need. Application for remission of the fee should be made by letter, at the time of application, explaining the circumstances to the Summer School Secretary.

**Attendance:** As this course is short, intensive and financially sponsored it is essential that attendance is uninterrupted. Permission to be absent at any stage from the course is only granted by the Course Director in exceptional circumstances.

**Subjects:** Each student will follow a Specialist Course; a list of the courses offered appears overleaf. In addition, all students will attend a General Studies Course of lectures and informal tutorial sessions.

### The Time-Table

**Morning:** Two one-and-a-half hour sessions (with coffee break) for lectures, classes and discussions in specialist subjects.

#### Lunch

**Afternoon:** There is a further one hour session for specialist subjects after lunch. There will be time for relaxation, and opportunities for students to use many of Eton's recreational facilities: swimming, tennis, squash, fives, football etc., and the galleries, museums and libraries may be visited.

Tea is followed by tutorial and the General Studies Course lecture.

**Evening:** Supper. About two-and-a-half hours of private study, reading or written work is set each day to be done after supper.

**The Weekend:** Saturday will be a working day, and some preparation or written work is expected to be done on Sunday evening. During Sunday morning there will be a voluntary multi-faith service in one of Eton's two Chapels, followed by a variety of social and relaxing activities during the late morning and afternoon.

**University:** Some university dons will visit the course on Saturday afternoon, and students will have an opportunity to talk to them informally.

#### Application:

The Application Form (Parts One and Two), Work Record Form(s) (Part Three) and Head Teacher's/Sixth Form Head's Confidential Reference (Part Four), must be returned stapled together to **reach Eton by 1 March**. **Please note: late applications will not be considered.**

Applicants will be notified by April as to whether or not there will be room for them on the Summer School. Thereafter, details of all relevant arrangements will be forwarded in due course.

**Address:** Universities Summer School Secretary, Eton College, Windsor SL4 6DW

## SUBJECTS

A	Mathematics (Double)	See note below
B	Mathematics (Single) with Physics	See note below
C	Mathematics (Single) with Chemistry	See note below
D	Physics with Chemistry	See note below
E	Chemistry with Biology	See note below
F	English	
H	History	
I	Politics and Economics	
J	Geography	
K	French	
L1	Classics – Latin only	See note below
L2	Classics – Ancient History only	See note below
L3	Classics – Combination (from Latin, Greek and Ancient History)	See note below

### Scientists

Applicants for the composite courses B, C, D and E are asked to complete a separate **Work Record Form** for **each** subject.

### Mathematicians

Definitions: course A is suitable and designed for those intending to read Mathematics at university and taking Mathematics as a double subject at Advanced Level. Students are likely to be doing 12 to 16 lessons per week of Mathematics and should have been studying Mechanics for one year. It is much preferred that they are studying Double Maths A Level at school. Able mathematicians who are unsuccessful when applying for Course A may, if they wish, opt for a second choice of either Course B or C. This alternative must be indicated on the **Application Form**, and separate a **Work Record Form** should be completed for **each** subject.

### Classicists

It may be possible to offer a combination of Latin and Greek for Beginners, or Ancient History with Latin or Greek for Beginners - if required, enter L3 on the **Application Form** and state which combination of individual subjects you would like. If you are prepared to follow a course of second choice, please indicate this on the application form.

## THE COURSES

*It is important to note that these courses are not designed for students wishing only to improve their Advanced Level grades; they aim to be an intellectual stimulus giving a taste of university work. Elements of examination and interview technique will be included in all courses. Under-subscribed courses may be withdrawn.*

**MATHEMATICS - DOUBLE** (26 sessions). The course will concentrate largely on topics that are **not** part of the single Advanced Level Syllabus. It is not intended for those who only wish to improve their Advanced Level prospects. **Prerequisites:** at least one year of a Double Mathematics course *and ideally one year of mechanics*. Content (these are examples - the exact topics offered may vary): Number Theory; Calculus; Complex Numbers; Differential Equations; Planetary Motion; Vertical Circles. The course is intended to give would-be undergraduate Mathematicians a broader base of mathematical skills and a taste of what university Mathematics entails. Some time will be devoted to studying Oxbridge examination papers or problems of equivalent difficulty.

**MATHEMATICS - SINGLE** (13 sessions). This course is intended for students who have an interest in Science and Mathematics and it will cover some of the advanced topics in most single and double mathematics syllabuses. **Content will include:** Calculus; Complex Numbers; Differential Equations. The Single Mathematics course is suitable for students studying Double Mathematics A level as well as those studying Single Mathematics A level and is geared towards those who intend to read a mathematics related science course at university.

**PHYSICS** - The course will be suitable for those who are planning to read Physical Science or Engineering at university and who are currently studying Physics and Mathematics at A Level. A wide range of topics that reflect the contributions of twentieth-century physics to our deeper understanding of matter and the universe will be tackled. These include: quantum mechanics, gravity and modelling rockets. Some mathematics, including complex numbers, will be taught due to their wide application in physics.

**CHEMISTRY** - This course is not designed to give participants a greater grasp of chemical fact, but rather to enhance their chemical understanding. Students can expect to study a variety of topics chosen from different branches of the subject, including some aspects and applications of Chemistry which would probably not be covered by an A level course. The teaching will be supported by practical work in our well-equipped laboratories. The course should suit anyone thinking of studying Science or Medicine at university.

**BIOLOGY** – In this course you will cover a broad range of biological topics (including a mix of familiar and unfamiliar material) and prior knowledge will be extended and applied to new contexts. Areas which are likely to be covered include molecular and cellular biology, genetic engineering, animal anatomy and physiology, evolution, conservation, genetics, and forensics. Practical work is used to support the theoretical side of the course, and discussion work is encouraged throughout. This course will be suitable for anyone thinking of reading a biology-related subject at university, and should also have content of interest to those wishing to study medicine at university.

**ENGLISH** - The course aims to introduce students to a range of literature from all genres and periods - metaphysical poetry, Romanticism, modernism, Shakespeare, 18th-Century satire and *Paradise Lost* all featured on last year's course. The course is designed specifically to suit students who plan to read English at university and who have a well-established interest in reading. As well as seminars, there will also be two drama workshops, a trip to the Globe Theatre and a visit by an Oxbridge don. Students complete three written essays during the ten-day course. Focus is given to Personal Statements and mock interviews for English applications. Successful applicants will be sent a short reading list to cover before the course begins.

**HISTORY** - It is appreciated students applying for this course will have completed courses of AS study, and will be proceeding to A2 study, from a variety of Examining Boards and possibly studying a variety of chronological areas. The course offered will aim to accommodate what has been studied up to now, and to broaden and deepen students' historical knowledge and appreciation. There will be a quantity of set reading, possibly some of it in advance of the course, and some essays under examination conditions. The exact focus of the groups taught will depend very much on their composition. The main purpose of the course is to question the nature of the subject, through a study of historiography and work with historical documents, and the philosophy of History. In past years field work has been undertaken such as day visits to a gallery or place of historic interest and we expect this to be the case this year.

**POLITICS & ECONOMICS** - The Economics and Politics course considers a range of contemporary issues and themes in Political Economy. It is particularly directed at those wanting to study subject combinations such as PPE, Economics and Management and Economics. The 2018 course covered the following areas: Income, wealth, the political economy of poverty reduction. Behavioural economics, The Great Economists and their ideas, the political economy of international trade and globalisation. Growth theory. Game theory applied to economic and political issues. Days are set aside for building up personal learning networks in economics, practice at thinking skills assessments and in drafting UCAS personal statements. There is a day trip to London to visit the LSE, a start-up accelerator and a city institution (in 2018, this was Morgan Stanley). There is also a full day of practice interviews and feedback sessions. The course seeks to encourage challenging wider reading and for students to consider issues in counter-intuitive ways. Where possible we also build some mathematical analysis in classroom discussions.

**GEOGRAPHY** - The course reflects the interests and strengths of those teaching it, with a balance of human and physical geography. The course adopts a synoptic approach to analysing and seeking to solve discrete geographical issues that might form the basis of university interviews. In recent years students have undertaken two days of fieldwork in London and Oxford. Other topics covered have included: the nature of geography, image interpretation, global cities, hazards, geology, rivers, climate change, relationship with landscape, epidemiology and demography.

**FRENCH** – The French course in the Summer School places emphasis on the study of literature. No previous classroom acquaintance with literature is essential, and students will not be asked to do any preparatory reading before arriving. Texts, on loan, will be provided once at Eton. The teaching of literature, which will mainly be conducted in English and which will be in small university-style seminar groups, will focus on prescribed texts and poem commentaries. There will be formal teaching of grammar as a background to written translation work into, and from, the French. These courses will be appropriate for anyone considering entry to one or more of the traditional university courses.

**CLASSICS** - The Latin course is designed for those who have completed the first year of Latin A Level but may also accommodate those with a good GCSE who have not formally continued to A Level. The course aims to develop language skills through unseen translation and prose composition (for which no experience is required) as well as understanding of Latin literature through reading and analysis of a range of original texts, both prose and poetry. The Greek for Beginners course is designed to help excellent linguists gain the nuts-and-bolts of the language from scratch and covers much of the GCSE language syllabus. There may be the possibility of some combination with Ancient History.

**ANCIENT HISTORY** - The course is flexible, catering for Ancient History and Classical Civilisation students alike, or for Modern Historians who are considering an application for Ancient and Modern History. There will be work on both 5th Century Greek and Imperial Roman topics focusing very much on the use of primary sources. No knowledge of Ancient History is necessary, but applicants should indicate what Ancient History or Classical Civilisation, if any, they have studied. There may be the possibility of some combination with Latin and/or Greek.

## APPLICATION FORM (PART ONE)

**To the applicant:**

- Fill in the Application Forms Part One and Part Two. Ask your parent or guardian to sign Part Two.
- Give the Work Record Form(s) to the appropriate teacher(s) to fill in.
- Pass the Application Forms, Work Record Form(s) the Confidential Reference Form to your Head Teacher/Head of Sixth Form for completion.

**Don't delay: applications must reach Eton by 1 March - late applications will not be considered.**

**PLEASE WRITE CLEARLY USING CAPITAL LETTERS:**

<b>Surname</b>		<b>Forename</b>		<b>Male/Female</b>	
<b>Home Address</b>					
				<b>Postcode</b>	
<b>Applicant's email address:</b>					
<b>Home Telephone Number (inc Code)</b>					
<b>Father's/Guardian's Occupation</b>					
<b>Mother's/Guardian's Occupation</b>					
<b>School Name</b>					
<b>School Type</b> (please circle)		Comprehensive / Grammar / Sixth Form College / Community College / Other (please state) _____			
<b>GCSE results</b> in descending order of grade, with * where appropriate					
<b>Subject</b>	<b>Grade</b>	<b>Subject</b>	<b>Grade</b>	<b>Subject</b>	<b>Grade</b>
1		5		9	
2		6		10	
3		7		11	
4		8		12	
<b>AS Levels. IB or Pre-U</b> being studied (please asterisk those subjects you are continuing to A2 Level)					
1		3		5	
2		4		6	
<b>Summer School Subject:</b>		<b>Subject</b>		<b>Code</b>	
<b>Intended university subject:</b>					
<b>Preferred university:</b>		<b>1<sup>st</sup></b>		<b>2<sup>nd</sup></b>	

In **Classics** every effort will be made to meet your first choice, but if you are prepared to apply for a second choice course would you please indicate an order of preference.

<b>Classics preference:</b>	<b>1<sup>st</sup></b>		<b>2<sup>nd</sup></b>	
<b>Classics Combination preference:</b>	<b>1<sup>st</sup></b>		<b>2<sup>nd</sup></b>	

## APPLICATION FORM (PART TWO)

The applicant is asked to write in the space below an account (in no more than 100 words) outlining why he / she would like to come on the Summer School course, with a brief comment on his / her hobbies and interests.

Signed:

### Parent/Guardian Approval:

I support this application of my son/daughter/ward to join the Eton College Universities Summer School from Tuesday 2<sup>th</sup> July to Friday 12<sup>th</sup> July 2019 inclusive, and I understand that the subsidised fee of £475 will be payable when notified that there is a place reserved for him/her on the course, unless an application for part or whole remission of the fee is granted.

**A request for the fee to be waived, in part or in whole, should be submitted at the time of application.**

Signed:

Date:

## APPLICATION FORM (PART THREE)

### WORK RECORD FORM

<b>Applicant's name:</b>			
<b>Summer School Subject:</b>		<b>Proposed University Subject:</b>	
<p><b>Student:</b> Please consult your present teacher(s) and ask them to fill in this form.  <b>Teacher:</b> Please give details as set out below.</p>			
<b>Composite Courses:</b>	Applicants for the <b>composite courses</b> (B, C, D & E) are asked to complete a separate Work Record Form for each subject. Applicants for <b>other courses</b> should complete only one Work Record Form.		
<b>Double Mathematics</b>	Has this student covered at least one year of Mechanics?	Yes / No	
<b>Single Mathematics</b>	How many lessons does this student have each week in Mathematics?		
<p><b>Please state:</b></p> <ul style="list-style-type: none"> <li>• Principal textbooks</li> <li>• Topics which will have been covered in the academic year to July</li> <li>• Set books being studied</li> </ul>			
<b>Examination Board:</b>		<b>Syllabus:</b>	

**APPLICATION FORM (PART FOUR)**  
**HEAD TEACHER'S/SIXTH FORM HEAD'S CONFIDENTIAL REFERENCE**

<b>Applicant's Name</b>			
<b>School Name</b>			
<b>School Telephone No</b> (inc Code)			
<b>School Type</b> (please circle)	Comprehensive / Grammar / Sixth Form College / Community College / Other (please state) _____		
<b>LEA/County/Borough</b>			
<b>Number in Sixth Form</b>		<b>Number applying for Summer School</b>	
If this student applied to Oxford or Cambridge is it likely that he or she would be successful?			
Is the student likely to read the subject of this Summer School application at university? If not, what is his/her most likely course of study?			
Is the student academically ambitious and strongly motivated?			
In what ways would this candidate particularly benefit from the Summer School? Are there any circumstances which specially support the candidate's application?			
Are there any circumstances of health, disability, family difficulty, or behaviour of which it would be helpful for us to know?			
If this student's parents/guardians cannot afford the course fee, please explain briefly the circumstances. (There is provision for remitting the fee, in whole or part, in case of genuine need such as unemployment or financial difficulties.)			
<b>Signature</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	

Please submit application forms as follows: Application Forms (Parts One & Two), Work Record Form(s) (Part Three), and the Head Teacher/Head of Sixth Form Confidential Reference (Part Four). These should be sent at the earliest opportunity to the **University Summer Schools Secretary, Eton College, Windsor, Berkshire, SL4 6DW**, to arrive **by 1 March**. Late applications will not be considered.