



WYCOMBE ABBEY UPPER VI Summer Enrichment Programme



Dear Upper VI Parents

Upper VI Summer Enrichment Programme

I am delighted to provide you with further details of the Summer Enrichment Programme that we will be offering to Clarence girls this term. In the information below, you will find an outline of the wide variety of opportunities available, including details of the timetable and content of each class.

In light of the unforeseen changes to this term's academic structure, the aim of this enrichment programme is to provide Clarence girls with a refreshing and exciting mix of intellectual challenges that will stimulate their curiosity and open up new ideas and experiences.

The programme is non-compulsory and each girl is free to choose the extent to which she participates. Having said this, we are keen for all girls to seize the chance to try something different. Each session is one double period a week; therefore, a programme of six or seven courses would be roughly equivalent to a normal week of study. Each girl may choose to do more or less than this, though, as is her preference. The majority of courses are accessible to all girls, without prior subject knowledge (with details of a few exceptions, below).

Alongside the courses offered by subject departments, girls are also encouraged to attend remotely the special Carrington Teacher Talks that are being given each Thursday afternoon and which promise to be a real highlight. I will also be organising some fun activities for Clarence, such as quizzes and a Wycombe-themed game of online Bingo! More details to follow in due course.

The programme will commence on Monday 27th June and girls will access the sessions largely through Microsoft Teams and resources on My Wycombe. Girls and parents can find out more about the Wycombe Abbey policies on remote learning by following this link:

<https://wasintranet.wycombeabbey.com/computer-science/remote-learning-plan-pupils>

Within the next day or so, a survey will be circulated to Clarence girls via My Wycombe which will enable them to make their course choices. We would be grateful if girls could then make their selection before the weekend. Also, having chosen their options, we encourage girls to see the course through the duration of the term, to gain the greatest benefit from the opportunity.

If you have any questions, please do not hesitate to contact me: gowards@wycombeabbey.com

With very best wishes,

Dr Stephen Goward
Deputy Head of Sixth Form (Upper VI)



Weekly Programme

Lesson periods	Monday	Tuesday	Wednesday	Thursday	Friday
1 & 2	Economics	English	Biology	Physics	Chemistry
3 & 4	History of Art	History	Psychology		Maths (Option 2)
5 & 6	Classics	Maths (Option 1)	RS & Philosophy	Geography	Politics
9 & 10 (8 & 9 - Weds)	Art	French	Chinese	Carrington Teacher Talk	Spanish
11 & 12				German	Computer Science



Open Access Courses

The following courses will be open to all pupils, irrespective of whether they have studied the subject before.

- Economics – Current Themes in a Changing World
- History of Art – New Ways of Seeing
- Classics – Crossing the Rubicon
- Art – Exploring Art and Artists
- English – Practical Criticism
- History – Widening Historical Horizons
- Biology – Exploring Biology
- Psychology – The Controversial Science?
- RS & Philosophy – Freedom
- Chinese – Chinese for Beginners
- Physics – What time is it in space? An Introduction to Special and General Relativity
- Geography – Breaking Borders
- German – German for Beginners
- Maths (Option 2) – Decision Maths
- Politics – Contemporary Politics and Political Ideas

Restricted Access Courses

The following courses are only available to pupils who have a firm foundation in the subject and a level of knowledge equivalent to A level will normally be required.

- Maths (Option 1) – Extension Maths
- Chemistry – The Magic of Chemistry
- Spanish – Current Affairs for Advanced Spanish Speakers
- French – Current Affairs in France (minimum GCSE level language required)
- Computer Science – Creative CompSci with Code (A level-equivalent Maths needed, if not already studying CompSci)

The Carrington Teacher Talks

Each Thursday one member of Wycombe Abbey staff will be sharing with you a particular interest/passion of theirs. This will be a varied and exciting programme ranging from 'Wine: Its History, Production, Consumption and Appreciation!' with Dr Goddard to 'Beyond the Wall: Divided Loyalties in Divided Berlin, 1961-89' with Mr Massey. A full programme will be published shortly. This will be a voluntary session open to all UVI girls.

Course Descriptions

Open Access Courses

Economics

Current Themes in a Changing World



This course will look at a range of concepts and debates in contemporary Economics, including:

- Banking - an overview from its origins to the global financial crisis
- The gig economy and the changing labour market
- What is development and how do nations escape poverty?
- What is the World Trade Organisation and why do we still have trade wars?
- Choice Theory and rational behaviour
- Taxation and the welfare state

History of Art

New Ways of Seeing

This course will look at an exciting mix of examples to explore the idea of perception in Art, including:

- Paris and Impressionism: how does a city impact the art made within it?
- Cross-Cultural dialogues: what do the works of Xu Beihong tell us about cultural exchanges in the early 20th Century?
- Photography and reportage: how 'real' is a photograph?
- Dada photomontage in Weimar Germany: can art making give us a better understanding of history?
- Exploring architecture from within: how

is the experience of buildings changed by focusing on the interior rather than the exterior?

- Museology and the online exhibition: is the physical museum redundant?

Classics

Crossing the Rubicon



Using a multidisciplinary approach, this course will explore a variety of topics to give a rich taste of the ancient world, including:

- Alexander the Great
- Free standing sculpture
- Wyke's Written Women of Latin Love Elegy
- Linear B
- Pompeii, an (extra)ordinary town

Art

Exploring Art and Artists

This course will be based upon discussion about different artists' styles and their use of materials, particularly through the exploration of art galleries online. Research on individual artists and practical engagement with the subject, including through photography, will be encouraged.

English

Practical Criticism

These sessions will be looking at different poems/prose extracts from a range of genres and time periods. The course aims to provide a taste of literature that pupils are unlikely to have come across before, whilst building their ability to express their individual ideas.

History

Widening Historical Horizons



Exploring an eclectic mix of topics, this course will consider some of the great debates of world history:

- Russia – Stalin and Stalinism
- Britain – Revolution, Regicide, Restoration and Reverberations
- Origins of the Arab-Israeli Conflict 1
- Origins of the Arab-Israeli Conflict 2
- Elizabeth I: Female Power in a Man's World
- Aryan Occultism and the Origins of the Nazi Movement

Biology

Exploring Biology

This series of sessions will explore areas of Biology not in the A level specification.

The first session will be led by Mr Whiteley on “muscle tissue and how it contracts.”

Psychology

The Controversial Science?

Providing an introduction to this multi-faceted discipline, topics covered will include:

- The history of Psychology
- How mental health has been diagnosed and treated over time
- Secrets of the brain
- Infamous case studies
- Psychology - a valuable science?

RS & Philosophy

Freedom

The course will cover a range of fascinating topics contained within this broad concept, including:

- Freedom and determinism
- Freedom, moral responsibility and virtue
- Freedom and religion

Chinese

Chinese for Beginners



Pupils will be introduced to the basics of Chinese language processing and on, to more conversational skills.

They will be encouraged to carry out independent research into various cultural topics followed by presentation and discussion, in English and Chinese.

Physics

What Time is it in Space? An Introduction to Special and General Relativity

We will go on a journey through some of the most interesting (and weirdest) bits of Physics, starting with why it's so hard to work out what time it is on distant stars (or if that's even a sensible question to ask!)

We expect to cover Einstein's theories of Special and General Relativity, Chaos theory (and what it's got to do with the weather) and what cats have to do with quantum mechanics. Anyone is welcome, but you may have to do some background reading if you haven't done Physics A-level.

Geography

Breaking Borders



This course will explore a broad variety of issues and debates, including:

- What is Geography?
- Exploration and Cartography - understanding the origins of Geography and how the first cartographers portrayed the world.
- Geopolitics / Modernising Geography – the role of the media. A look at how politics is influenced by Physical Geography and how the world order we see today has changed over time.
- Sustainability - What is sustainability? How does development influence sustainability?
- Resources – the Future of Food.
- The Future of Geography - could we live in a borderless world?

German

German for Beginners



Pupils will be introduced to basic, conversational German through a range of topics and techniques.

Maths (Option 2)

Decision Maths

This course will follow some aspects of Decision Mathematics, which has become popular in recent decades because of its applications to computer science. Many of the problems involve Optimisation – finding an efficient solution – and hence methods are applicable to many real world situations. The course will include Linear Programming, Graph Theory, Planarity and Critical Path Analysis. It is accessible to both Mathematicians and non-A Level Mathematicians.

Politics

Contemporary Politics and Political Ideas



The programme will cover UK politics and the state of political parties; US politics; international relations and IR theory; strategic studies; and the ongoing debate over fundamental rights and civil liberties.

Restricted Access Courses

Maths (Option I)

Extension Maths

The course will follow elements of the STEP Support programme. STEP is designed to test candidates on questions that are similar in style to undergraduate mathematics. The STEP Support programme is designed to help university applicants develop their advanced problem-solving skills. The course is challenging and is aimed at high-achieving Further Mathematicians and Single Mathematicians.

Chemistry

The Magic of Chemistry



Divided into two core topics, each lasting several sessions, this advanced course will explore:

- The Life of Spice - how the flavour compounds within spices work together to create exciting layers of flavour and sensations; the medicinal and myriad health benefits of spices, linking these to the chemical structure and biological activity of their active compounds.
- Plastics to Fuel - how plastic waste can be turned into fuels like hydrogen, jet fuel and a wide range of valuable products.

Spanish

Current Affairs for Advanced Spanish Speakers

Pupils will read articles and watch reports from the Hispanic World in which the writers adopt particular attitudes and viewpoints. Pupils will have the opportunity to develop their language skills further by engaging in discussions considering the different materials.

French

Current Affairs in France

In these sessions, pupils will look at the news in French and discuss the matters arising in the target language, acquiring new vocabulary. Following the news in another language will enable pupils to consider topical issues from a different perspective and enhance their global awareness. Note that some French language skills are required (e.g. GCSE and above).

Computer Science

Creative CompSci with Code

This is a programming course that will be open to Computer Scientists (lots of new ideas) and non-specialists (although A Level Maths needed). Pupils will need to be ready to get into programming quickly if they haven't done it before. Some extra starter material will be available to help. We will mainly be using P5 JS, to look at some interesting concepts in Computer Science including Conway's Game of Life, simulating ecosystems, Turing machine, using data, recursion, some Wolfram use and genetic algorithms.



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