

ENRICHMENT FORTNIGHT

13th to 24th May 2019



YEAR 08 JOURNAL

ENRICHMENT FORTNIGHT

The Enrichment Fortnight is a very important part of the school calendar. We stop the academic curriculum to give you the chance to visit some of the best cultural sites this country has to offer. This allows you to enjoy a range of experiences we can't normally offer during the school year.



To make the most out of the next two weeks we expect you to complete this Enrichment Journal. This will give you a chance to reflect on what you will learn and hopefully inspire you to pursue your own passion for education and give you ideas about the opportunities that your education can unlock in the future.

The more effort you put into this journal the more likely you are to benefit from the activities you will take part in.

David Perks Principal





WEEK ONE

Monday 13th May

LECTURE DAY

Guest lectures on the changing nature of East London and the formation of stars.

Tues 14th May

HAMPTON COURT

An opportunity to tour one of Britain's great historical palaces, former home of Henry VIII.

Wednesday 15th May

BOX HILL

Climb one of the South Down's highest landmarks.

Thursday 16th May

KEW GARDENS

This is an opportunity to visit one of the worlds greatest collections of plants and understand the importance plants to us all.

Friday 17th May

HAINAULT FOREST

Use your map skills to race against each other over an orienteering course.

WEEK TWO

Monday 20th May

HOCKEY AND TENNIS

Take part in coached sessions at the National Hockey and Tennis Centre.

Tuesday 21st May

DEBATING COMPETITION

This is an opportunity for pupils to take in a day of debate and competition. The topics will focus on science and ethics.

Wednesday 22nd May

UNICORN THEATRE

Go to the theatre to watch an adaptation of Purcell's opera Dido.

Thursday 23rd May

CAMBRIDGE UNIVERSITY

Visit the iconic colleges of Cambridge and punt along the river Cam.

Friday 24th May

ICE SKATING

Practice your pirouettes on the ice at Lee Valley Ice Centre.

MONDAY 13th MAY

LECTURE: STAR FORMATION

Dr Sarah Jaffa will talk about her work on theoretical star formation, which involves simulating the formation of massive star clusters.



"Stars are the most widely recognized astronomical objects, and represent the most fundamental building blocks of galaxies. The age, distribution, and composition of the stars in a galaxy trace the history, dynamics, and evolution of that galaxy. Moreover, stars are responsible for the manufacture and distribution of heavy elements such as carbon, nitrogen, and oxygen, and their characteristics are intimately tied to the characteristics of the planetary systems that may coalesce about them. Consequently, the study of the birth, life, and death of stars is central to the field of astronomy.

From the NASA guide to star formation.



NOTES FROM LECTURE DAY

Use this space to take notes during the day and afterwards.

What are stars made of?

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MONDAY 13th MAY

LECTURE: EAST END LONDON - A PLACE OF CHANGE

What's the point of hipsters? asks Alastair Owens, Professor of Historical Geography and Head of the School of Geography at Queen Mary University of London.



East London is supposedly the home of the hipster. With their crazy beards, funky fashions and expensive coffee, we often poke fun at them. But what can hipsters tell us about the way that neighbourhoods and places change? Using the example of Hackney, Professor Owens will consider the so-called 'hipsterfication' of East London, raising questions about how the places we live and study in change over time and through their relationships with other places both near and far.

TUESDAY 14th MAY

HAMPTON COURT PALACE

An opportunity to tour one of Britain's great historical palaces, former home of Henry VIII.



NOTES FROM YOUR VISIT TO HAMPTON COURT PALACE

Use this space to take notes during the day and afterwards.

1. Describe how the palace has been altered throughout history.

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2. Describe how Henry VII used the palace to demonstrate his magnificence and power.

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3. Choose one artefact found in the palace, draw a sketch. Describe and explain its significance.

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WEDNESDAY 15th MAY

BOX HILL

Climb one of the South Down's highest landmarks.



NOTES FROM YOUR VISIT TO BOX HILL

Use this space to take notes during the day and afterwards.

Describe and explain the geology which has formed the North Downs.

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In what ways are the National Trust actively managing the countryside around Box Hill?

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From the Viewpoint describe the human and physical geography of the landscape below.

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THURSDAY 16th MAY

KEW GARDENS

This is an opportunity to visit one of the worlds greatest collections of plants and understand the importance plants to us all.



NOTES FROM KEW GADENS

In the tropical glass house, find one plant species which is used by humans. Describe it and explain its significance.

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In the Princess of Wales Conservatory find a plant that is highly adapted to the desert environment. Draw a sketch and annotate its adaptations to hot and dry weather.

A large rectangular area enclosed by a red border, containing 15 horizontal dotted lines for drawing and annotation.



NOTES FROM YOUR VISIT TO HAINAULT FOREST

What map skills are beneficial when orienteering?

A series of horizontal dotted lines for writing notes.



TUESDAY 21st MAY

DEBATING ETHICAL ISSUES IN SCIENCE

Your chance to debate issues from the origins of human intelligence to animal experimentation.

We take debating and public speaking very seriously for all our pupils. This is a chance for pupils to debate issues that will define the choices they make about how science is being used to change our lives. This is an important chance for all our pupils to tackle difficult issues at the intersection between science and ethics.

Do we really want to live to 100 or 120 years old? Is the attempt to elongate our time on the Earth messing with nature? Won't we just cause problems we don't even understand yet?

This is your chance to debate issues that are really occupying the minds of scientists, politicians and academics as we face the challenges that science throws up.

Is it right for obese people to have free access to health care when they are themselves a drain on the resources that other more healthy people need?

Can animal experimentation ever be acceptable or should we always try to find other means to further our knowledge of disease and the effects of new drugs?

Is your intelligence a product of your genes or is it something that is not natural and limited by your biology?

All of these questions are important to the way we view ourselves and how we view the use of science in our lives.

What do you think? Can you put forward a strong argument either way? Are you prepared to stand up and put that argument before your peers?





Should science try to extend human lifespan?

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WEDNESDAY 22nd MAY

DIDO AND AENEAS

English National Opera and the Unicorn join forces for the very first time to create a new production of Purcell's powerful and emotional masterpiece, Dido and Aeneas, for teenagers and adults.

Belinda is the only child of Dido. A teenager like any other, in any big city. We watch through her eyes as her mother - heroine, feminist icon, modern parent - slowly starts to fall apart, with tragic consequences.

Directed by the Unicorn's former Artistic Director Purni Morell and conducted by ENO's Valentina Peleggi, this contemporary production will be an incredible first experience for some, and for others a chance to see a familiar and much-loved opera in a new light.

Sung in English with an on-stage seven-piece orchestra.





NOTES FROM DIDO AND AENEAS

A large rectangular area enclosed in a red border, containing 25 horizontal dotted lines for writing notes.



THURSDAY 23rd MAY

CAMBRIDGE UNIVERSITY & PUNTING

Visit the iconic colleges of Cambridge and punt along the river Cam.



NOTES FROM YOUR VISIT TO CAMBRIDGE

What are the requirements to make a successful application to study at the University of Cambridge?

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Beyond academic qualifications what else would help you make a successful application?

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Which college did you visit? Explain what you learn about life as a student in a Cambridge college.

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FRIDAY 24th MAY

ICE SKATING AT LEE VALLEY ICE CENTRE

Practice your pirouettes on the ice at Lee Valley Ice Centre.



Explain what you learnt about this sport. To what extent is this a sport you would want to pursue?

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