We have had a busy week with Progress Meetings and BRIDGES mentoring this week. A huge thank you to our excellent Year 12 and Year 13 Student Leadership Team for supporting with the BRIDGES mentoring sessions with our Year 11 students. It is greatly appreciated! It was also great to see students, parents and carers during the Year 12 & Year 13 Progress Meetings on Tuesday; one of the areas we value in the Sixth Form is having strong relationships with parents/carers. I hope that the evening was a great opportunity for feedback and to check in with next steps.

A reminder that Year 13 exams start on the 10th of February. The timetable is included in this edition.

Over the next few weeks we will be sharing details with students, parents and carers around additional interventions we will put in place to support with Sixth Form attendance. We all know that attendance is a key factor in ensuring success at KS5.

We also know that having positive attendance habits at KS5 will enable students to be successful, self regulated individuals when they leave us at the end of KS5. The additional interventions are designed to ensure that students are adhering to the Home-Sixth Form Agreement signed at enrolment. Please do not hesitate to contact me or Ms McEvoy if you have any questions about this.

With best wishes

Ms Alibhai
Vice Principal and Head of Sixth Form
Safeguarding

The welfare and safety of our students is our priority. We do everything possible to ensure our students’ safety, both within the school community and outside of school, including working with relevant agencies to address any issues related to child protection.

Students are informed of who they should go to should they have a concern about their own safety or the safety of others.

At INA, all staff have regular safeguarding training to ensure that they are able to meet their statutory responsibilities. We also have a number of staff who are designated to respond to any child protection concerns and to liaise with social services:

**DESIGNATED SAFEGUARDING LEAD (DSL)**

Leanne Abbott-Jones
Vice Principal

**DEPUTY DESIGNATED SAFEGUARDING LEAD (DDSL)**

- Sugra Alibhai, Head of Sixth Form

**DESIGNATED CHILD PROTECTION OFFICERS**

- Eva McEvoy
- Jag Singh

You can find the INA Safeguarding policy, Child Protection policy and other related policies and procedures on the Academy’s website.

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**National Apprenticeship Week Breakfast**

Friday 7th Feb 2020 | 9.30-11.00
Location: Ilford

Come and find out why doing an apprenticeship could be the best choice for you!

Register for free:
https://naw-breakfast.eventbrite.co.uk
## Year 13 Mock Exam Timetable

**February 2020**

Please note the recent changes highlighted in yellow.

<table>
<thead>
<tr>
<th>Times unless stated</th>
<th>Mon 10th Feb</th>
<th>Tue 11th Feb</th>
<th>Wed 12th Feb</th>
<th>Thu 13th Feb</th>
<th>Fri 14th Feb</th>
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<tr>
<td>Morning</td>
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<tr>
<td>P1</td>
<td>English Literature</td>
<td>History 1</td>
<td>Maths 2</td>
<td>Politics 1</td>
<td>English Literature</td>
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<tr>
<td></td>
<td>Paper 1 - Drama 135 mins</td>
<td>Germany and West Germany 1918-1989 135 mins</td>
<td>120 mins</td>
<td>UK Politics and Core Political Ideas 120 mins</td>
<td>Paper 2 - Prose 75 mins</td>
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<tr>
<td>P2</td>
<td>Biology 1 120 mins</td>
<td>Chemistry 1 120 mins</td>
<td>Physics 1 120 mins</td>
<td>Biology 2 120 mins</td>
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<tr>
<td>P3</td>
<td>AS Chemistry 1 90 mins</td>
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<tr>
<td>P5</td>
<td>Maths 1 120 mins</td>
<td>Psychology 1 120 mins</td>
<td>Economics 1 120 mins</td>
<td>History 2 The Rise and Fall of Fascism in Italy 1911-1946 90 mins</td>
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<table>
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<tr>
<td>P1</td>
<td>English Literature</td>
<td>History 3 Tudor Rebellions 1485-1603 135 mins</td>
<td>Maths 3 120 mins</td>
<td>Business Unit 6 (Double and Triple) 180 mins</td>
<td>Politics 3 Comparative Politics-USA 120 mins</td>
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<td></td>
<td>Paper 3 Poetry 135 mins</td>
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<td>P2</td>
<td>Chemistry 2 120 mins</td>
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<td>Chemistry 3 120 mins</td>
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<tr>
<td>P5</td>
<td>Psychology 3 120 mins</td>
<td>Politics 2 UK Government and Non-Core Political Ideas 120 mins</td>
<td>Economics 2 120 mins</td>
<td>Economics 3 120 mins</td>
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Sixth Form Shout-Outs

We asked staff to share some of the great BRIDGES habits shown by our students this week. This is what they have said:

**SHAAN JOHAL** (12 Manchester)
Has consistently demonstrated tremendous leadership potential. Whether through her extra curricular responsibilities, being a member of the SLT or through delivering her PSHE session. Shaan is also very focused regarding her future aspirations and her drive to achieve this is clear.

**UMER AHMED** (12 Kingston)
Shows self-discipline - completing all his competencies, is an active user of Unifrog, he was first on the list last Friday, very organised and timely with submission of personal statement, shows great effort in lessons.

**YASEEN TAHER** (12 Newcastle)
Has shown lots of emotional intelligence and maturity this term and is being a great peer support in form.

**AISHA JATTA** (13 Birmingham)
Has an incredible work ethic - always demonstrating great self-discipline and focusing on assignments.

**JESHURUN JEYASAN** (13 Nottingham)
Has a fantastic attitude to both his IL and his own study, demonstrating leadership and self discipline in his ownership of his study periods.

**ALIYA VAHORA** (13 Salford)
Has demonstrated great emotional intelligence in being a source of support for her peers and a consistently good work ethic.

**ANANYA ERRI** (12 UEL)
Is self-motivated and has impressed by being very organised. She takes pride in the presentation of her learning and is persistent in her pursuit of understanding key learning encountered in lessons. She is reliable and a friend to all in the tutor group. She has discovered a system that allows her to balance her academic studies and socialising.

**VIKRAM RANCHAN** (13 Cambridge)
Is consistently organised and on track, models expectations of our sixth form. He applied for lots of supercurricular opportunities, showing curiosity and determination.

**HAARIS WASEEM** (13 Nottingham)
Has demonstrated a passion for business. He has strong communication skills and successfully made it to the final round of the competitive KPMG apprenticeship programme.
Ark Project Healthcare Launch

22nd January 2020

Students from Ark schools came together to receive top tips and study tricks from former students now in medical-based courses and careers.

More than 60 students attended the Project Healthcare Launch in Kings Cross, on Wednesday 22nd January 2020, to gain insight on how to break into the industry and the range of options that are open to them.

Isaac Newton Academy (INA) student, Shaan, attended the Project Healthcare Launch to support her medicine application to Queen Mary University. The year 12 student has always fostered a desire to help people struggling with their health, but she also wanted to break down the gender stereotype within the profession. “Women get that you can be a nurse or a midwife, but when you say you want to be a doctor, people are taken back. It was great seeing young, powerful women who studied at Ark doing what I want to do.”

Shaan said throughout her schooling experience, INA has supported her career goals. “The school is amazing, the support I have received is second to none. The workload is more, but it’s for the better. The school have given us a good stepping stone because they listen to you and tailor your learning for what you want to do.”

Project Healthcare is the sister programme to Project Oxbridge, which was launched last year. The programme aims to help sixth form students to achieve their ambitions of pursuing a career in the health sector.
**Paid Work Experience: PwC’s 2020 Insight Week**  
*B(usiness, Digital, Accounting)*

Summer placements. Various locations, including Birmingham and London

**Who it’s for:** Year 12  
**What:** PwC’s 2020 Insight Week vacancies are now live. These paid week-long work experience programmes for year 12 students are a fantastic opportunity for young people to learn more about the world of business, accounting or technology. This year, for the first time, we’re offering a Business Insight Week, a Digital Insight Week and an Accounting Insight Week, to help students gain a real insight and excellent coaching and advice. Full details and entry criteria here: pwc.co.uk/schools/work-experience  
**Cost:** N/A - students get paid.  
**Next steps:** Students should:  
- Have a look at the PwC website and some of their videos  
- Sign up here to one of their Virtual Events (webinars) that are taking place in the coming weeks, if they have questions  
- Check out the PwC Employability Hub with virtual tools to support you in developing key employability skills, including an interactive online applications and assessments e-learn  
- Submit their application by 14th Feb

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**The Mathematics of Voting**

**Tuesday 11 February. 16:00 – 17:30. St Paul’s Girls’ School, W6 7BS**

**Who it’s for:** Year 11 – 13 Maths and Politics students  
**What:** We live in a democracy in which we all have a chance to vote. But does voting mean that the views of the majority are truly represented when it can be shown (mathematically) that all voting systems have flaws? In this talk, Gresham Professor of Geometry, Chris Budd OBE, discusses this questions by using mathematics. Chris Budd is based at the University of Bath, where he is Professor of Applied Mathematics and Director of the Centre of Nonlinear Mechanics. Professor Budd’s broad research interests circle around interdisciplinary industrial and applied mathematics, and he has a particular interest in complex nonlinear problems arising in real applications.  
**Cost:** Free  
**Next steps:** Let Ms Joy know you are interested by end of school, Thursday 6th February
Making Links Schools Challenge

The Making Links Schools Challenge has been designed to give students the edge they need to become the commercial lawyers of the future. The competition is a chance for your students to practice and test their presenting skills whilst arguing their unique view on a business situation. Participants have the chance to win prizes for themselves, their school as well as valuable insights into Linklaters to prepare them for the world of work.

Prizes include:

- £250 in online vouchers for the student
- £1,000 in cash for the student’s school to develop research skills in students
- An additional £4,000 for the overall winning school and £1,750 for the overall winner
- Additional prizes for runners up and their schools
- An invitation to the Linklaters work insight programme for the overall winning student

To apply, please fill in the online application form by going to: https://www.smartsurvey.co.uk/s/MakingLinksSchoolsChallenge2020/.

You’ll be prompted to fill out some basic details about yourself, your school and your nominated member of teaching staff. You will also be required to submit your 500-word mini essay around the following question:

“What has been the single biggest disruption or innovation in the business world, within your lifetime?”

The deadline for submissions is Friday 28 February 2020.

Up to 20 submissions will be selected and invited to the Making Links Schools Challenge Grand Final in London with an accompanying teacher on Thursday 2 April 2020. Linklaters will reimburse standard class travel expenses. At that event, the finalists will be invited to develop their original idea and present it to a panel of experts. Every finalist will win a prize, but an overall winner will be selected at the Grand Final.

For more information, please go to https://careers.linklaters.com/en/early-careers/making-links
Job Title: Cyber Apprenticeships
Working For: MI5 and MI6
Location: London
Salary: £22,677
Job Details: To create the next generation of technology, we need the next generation of thinkers
Closing Date: 2 March 2020

At MI5 and MI6 we have experts who work hard to keep the country safe from all kinds of threats – from terrorism to cyber-attacks. This is your chance to help us protect our country, develop new skills and discover how to use technology in ways you never imagined possible.

On this Cyber Security Technologist Level 4 Apprenticeship, you’ll learn to protect the public from harm by managing and dealing with cyber threats. Working alongside the world’s best cyber security professionals, with access to the most advanced technology, you’ll develop problem solving, teamwork, leadership and communication skills.

The apprenticeship will cover:
• Cyber Security
• Open Source Intelligence
• Network and Digital Communications Theory
• Cryptography
• IT Security
• Penetration Testing

On completion, you’ll receive industry-recognised accreditation as well as five further Level 4 certificates from the British Computing Society.

We’ll pay for your training, and pay you a salary while you learn. You’ll spend 80% of your time working with our cyber teams, who develop tech and provide us with insights into complex, evolving threats to national security. Working with these teams, and with support from your mentor, you’ll be actively engaged in protecting our country. The rest of the time, you’ll learn relevant skills and study the technical background to cyber security.

It’s a fascinating, ever-evolving world at MI5 and MI6. If you have a passion for technology and a willingness to learn, this is a unique opportunity to solve problems you won’t see elsewhere. MI5 and MI6 are Equal Opportunities employers, committed to reflecting the society we protect. Our recruitment process is fair, transparent and based on merit. We particularly welcome applications from women, Black, Asian and minority ethnic candidates.

Application Details
To apply, please visit our website - https://ad.doubleclick.net/ddm/clk/459834779;264893938;r
To be eligible to apply, you must be a born or a naturalised British Citizen and one of your parents must be a British Citizen or have substantial ties to the UK. You can apply at the age of 17 years and 6 months, if successful you will not be offered a start date prior to your 18th birthday. Candidates must normally have been resident in the UK for nine out of the last ten years. You should not discuss your application, other than with your partner or a close family member.

Website: https://www.mi5.gov.uk/
The Science Challenge is an annual science communication competition organised at Imperial College London. Requiring entrants to demonstrate their skills in scientific debate and reasoning, the Science Challenge tests the ability of today’s young scientists to teach the public about the science that affects their lives.

We’re excited to announce that the new submission system for the Science Challenge is now live!

If you’re either:
1. A current student at Imperial, at any level of study (undergraduate or postgraduate) and at any faculty.
2. In the last 4 years of secondary school (Y10-Y13 or equivalent), from any secondary school around the world.

Then you can enter this year’s Science Challenge! As always, there will be prizes, with a winner and runner-up chosen from each category, and two overall winners chosen amongst all entries. Previous winners have received tours of CERN in Geneva, and large cash prizes!

You can find out all about the competition rules on our website, but here are the key details:
• The submission deadline is 18th February.
• Only submission can be made per student.
• Entries must be in the format specified by the question.
• For any type of entry, the total number of words across the submission should not exceed 1200; for audiovisual entries the length of the submission should not exceed 4 minutes.

For more information please click here or speak to Ms Joy.

INSPIRING MINDS

STEM
Tuesday 31st March 2020
This event will bring together a range of STEM subjects from across the university, for those students interested in learning more about the options available to them. Students have the opportunity to attend their choice of lectures and workshops, hear from some of our graduates, as well as take a tour of our outstanding campus and facilities.

SOCIAL SCIENCES & HUMANITIES
Wednesday 24th June 2020
This event is for those students interested in studying subjects from across the social sciences and humanities at university. Students will be able to attend their choice of talks and workshops, receive university application guidance and take a tour of our outstanding campus.
Who is it for?
If you have students in Year 12 or 13 interested in business or entrepreneurship then this FREE 12 week programme is for them!

Where will it be?
The programme will be launched at the University Centre South Essex in Southend and delivered at Eastbury Secondary School in Barking.

What's the programme?
Week 1: Launch event
Week 2: Product and services
Week 3: Sales and marketing
Week 4: Startup funding awarded
Week 5: Embedding technology
Week 6: Leadership and teamwork
Week 7: How to pitch
Week 8: Startup funding awarded
Week 8: Accounting and legals
Week 10: Pitch practice
Week 11: Entrepreneur mindset
Week 12: Student showcase

IT ALL STARTS AT OUR LAUNCH EVENT
Date: 14th February 2020
Time: 10am to 2pm
Place: The POD
University Centre South Essex
Luker Rd, Southend-on-Sea SS1 1ND

BOOK TODAY: LIMITED PLACES

REGISTER NOW, SEARCH EVENTBRITE FOR 'UCSEC BUSINESS ACCELERATOR' OR EMAIL INFO@ULTRA.EDUCATION
LSE CHOICE: YEARS 12-13

LSE CHOICE gives talented young people from London state schools and colleges the tools they need to successfully apply to LSE and other highly selective universities.

- ECONOMICS
- GOVERNMENT AND POLITICS
- HISTORY
- MATHEMATICS
- SOCIOLOGY

This programme offers 180 current Year 12 students the opportunity to enhance their A level learning by attending a Summer School from 24 - 28 August 2020 and 16 Masterclasses from September 2020 to March 2021. CHOICE also gives students access to the LSE Library, the world’s largest dedicated social science library.

For information on this programme and a link to the application form for your students, please visit www.lse.ac.uk/lsechoice. Places on LSE CHOICE are limited and the application process is competitive so we recommend teachers use the guidance notes linked on our webpage here to select eligible candidates.

Please note, we are unable to consider student applications without a teacher’s reference.

Student application deadline: Sunday 8 March 2020
Teacher reference deadline: Sunday 22 March 2020
Year 12 Arts and Science Summer Universities

Get a glimpse of life at Royal Holloway on one of our free Year 12 Summer University residential programmes.

Over the course of three days, you’ll enjoy a range of activities, including subject taster sessions, meeting students and staff, and a varied social programme. You’ll even get to stay on campus in student accommodation.

- Option to choose between our Arts and Social Science or Science Summer Universities.
- Aimed at Year 12 students that meet a specific criteria (Please see out website for more details)

Applications are open now using the link below!

For more information on how to apply, please visit: bit.ly/RHSummerRes
The National Heart and Lung Institute are celebrating International Day of Girls and Women in Science by introducing you to some of Imperial College London’s fantastic women scientists and engineers. Throughout the day you’ll hear about what, how and why they do the research that they do, as well as being able to ask any questions you may have about going to university or working as a scientist. We’ll finish the day by discussing themes from Angela Saini’s best selling book Inferior: the true power of women and the science that shows it, and the impact that it had on us as women scientists.

The event is open to everyone, but the talks will be targeted at 14 - 18 year olds. We particularly welcome registrations from school groups, and teachers will each be given a copy of Inferior to discuss with their classes.

For more information please click here.

UNIV’S YEAR 12 STUDY DAYS

University College, Oxford have a programme of Year 12 subject study days taking place in the spring and summer Terms. These study days are an excellent way for students to gain an insight into potential degree subjects. These will also give high-achieving students a taste of the university experience and ideas for how they can develop their academic interests and skills beyond the classroom. The days are planned as follows:

• English and History Study Day - Friday 21 February (applications now open)
• Medical Science Study Day – Friday 1 May (application process coming soon)

The application processes run separately for each subject-based study day. Students attend the day individually. To apply students must submit an application and a teacher from their school must support this by submitting a teachers’ approval form. Please see more details about Univ’s 2020 Year 12 study days, along with provisional programmes and links to the application forms on Univ’s website.
The hard science of soft materials

Date: 12 Feb 2020
Time: 17:30 - 18:30

Maria Charalambides is a Professor in Mechanics of Materials at Imperial College London, who analyses the effect of microstructure on the mechanical behaviour of complex soft solids. In her inaugural lecture, she will discuss her varied research career and how it has recently moved into tackling the plastic pollution crisis affecting our land and sea. She will aim to show that mechanical engineering is much more than cars and aeroplanes, and there are many ways to apply fundamental engineering principles to these new materials and applications. Click here for more information.

Imperial Lates: Future Commuter

Date: 13 Feb 2020
Time: 18:00 - 21:00

Ever wondered what the future of transport might hold? Well, now is your chance to navigate the twists and turns of travel at our next Lates evening.

Future Commuter is the latest in Imperial College London’s series of after-hours evenings of discovery. During these evening celebrations of science and engineering our academics, students and staff bring different themes to life for one night only through live demonstrations, arty workshops, interactive experiments and inspiring talks. Click here for more information.

The impact of science on economy and society

Date: 19 Feb 2020
Time: 17:30 - 18:30

Science is an established part of modern society, and much of it is conducted at universities. While science operates in relative autonomy from other parts of society, it has always faced the demand to be useful and impactful. Recently, these demands have become more forceful. Policy makers have encouraged universities to commercialize their inventions, and to put their research more directly in the service of innovation. This has raised fears that science might become less creative, too responsive to commercial needs and compromised in its autonomy.

In his inaugural lecture, Professor Markus Perkmann will explore whether and when such tensions between autonomy and impact actually exist. He will further highlight the ways in which the integrity and autonomy of science can be reconciled with the legitimate demand for impact. Click here for more information.

Small babies and the mother’s circulation

Date: 26 Feb 2020
Time: 17:30 - 18:30

25 years ago it was thought small babies were small because of an abnormally developed placenta, restricting the supply of oxygen. Whilst doctors would usually wait as long as possible before inducing a small baby, it is a more difficult decision if there is a lack of oxygen reaching the fetus because of a malfunctioning placenta. In his inaugural lecture he will discuss evidence that some mother’s abnormal cardiovascular function can not only lead to high blood pressure in the mother (preeclampsia) during pregnancy, but this can also feed through to their baby, restricting fetal growth. Click here for more information.
Earth Science and Engineering Taster Days

We are looking forward to the Earth Science and Engineering Taster Days in July. To apply to attend, please fill out the form by 20 June 2020.

https://imperial.eu.qualtrics.com/jfe/form/SV_c/bWqLWLhddSkQR

Our Taster Days are held in summer every year and are open to Yr12/13 students. The Taster Days are a great way to experience what it is like as an undergraduate Earth Science student at Imperial College London, and the next Taster Days are scheduled to take place on 14 and 28 July 2020. The Taster Day will follow the same programme on both days so you need to attend only one.

In June, we open our doors for the Imperial College London Open Day; if you’re interested in coming along you can register here. The summer at Imperial is full of activities and this year we’re bringing our annual Festival out onto Exhibition Road for a weekend of art and science, at The Great Exhibition Road Festival - it should be a fun weekend!

We will respond to your Taster Day application in the coming weeks.

The taster day is for the Department of Earth Science and Engineering, the courses offered can be found here: https://www.imperial.ac.uk/earth-science/prosp-students/ug-courses/

For College-wide open days, more information can be found here: https://www.imperial.ac.uk/study/ug/visit/
The Johnson government's constitutional reform agenda: prospects and challenges

6:30 pm to 8:00 pm, 04 February 2020

Conservative experts Lord Dunlop and Chris White speak at our first seminar of 2020. This event is free.

The Conservatives’ 2019 manifesto commits the new government ‘to look at the broader aspects of our constitution: the relationship between the government, parliament and the courts; the functioning of the Royal Prerogative; the role of the House of Lords; and access to justice for ordinary people’. There were also specific commitments: to update the Human Rights Act; to ensure that judicial review is not abused; and to set up a Constitution, Democracy and Rights Commission.

In this seminar two Conservative experts, Lord (Andrew) Dunlop (member of the House of Lords Constitution Committee and former Parliamentary Under Secretary of State for Scotland and Northern Ireland) and Chris White (former Special Adviser to Conservative Cabinet Ministers William Hague, Andrew Lansley and Patrick McLoughlin) will discuss how the new government might implement this agenda, the obstacles it might face, and how they could be overcome. Click here for more details.

What is the function of functionality in trade mark law?

5:30 pm to 8:15 pm, 12 February 2020

The subject matter of trade mark law has expanded. EU trade mark law, for example, permits any distinctive sign to be registered as a trade mark (provided that it can be represented clearly and precisely enough) which includes characteristics such as the shape or colour of the goods or its packaging. This could be problematic. While trade mark registration might protect the messages these features convey to consumers about the origin of those goods, the trade mark owner might also enjoy ‘back-door’ protection of what the product is, how it works or why it enjoys consumer appeal. In this way, trade mark law has the ability to encroach on aspects of a product which other IP rights are there to protect, or deem should properly vest in the public domain. Trade mark protection ceases to promote fair competition when it oversteps its intended role, and once product markets are blocked, consumers have to pay higher prices or simply make do with less choice.

Fortunately, EU trade mark law includes a safeguard in the form of three ‘functionality’ exclusions which keep free those characteristics of goods which other traders need to access in order to compete. These exclusions prevent registration of signs which result from the nature of the goods, which are necessary to achieve a technical result, or which otherwise give substantial value to the goods. The legislature clearly sees this as important because unlike many other absolute grounds for the refusal, an objection that the subject matter is ‘functional’ cannot be overcome by evidence that the mark has acquired a distinctive character. Click here for more details.
Building a healthy and sustainable built environment:
development, new build and retrofit

6:30 pm to 7:30 pm, 12 February 2020

Building a healthy and sustainable built environment: development, new build and retrofit
Professor Chris Gorse, Director of the Leeds Sustainability Institute, joins us for the next event in our sustainable infrastructure lecture series.

Inadequate buildings and ill-considered developments not only increase emissions but are detrimental to our health and well-being. There are significant health benefits for those living in properties that are built and retrofitted well, and planned so that they integrate with the community and the natural environment.

Buildings that perform reduce emissions, are comfortable, benefit from improved air quality and allow for a greater social and environmental integration, and provide safer and cleaner environments.

There has been a recent shift in research towards focussing on the whole building and its performance, taking into consideration the fabric, services and occupant, as well as the building’s relationship with the external environment - including the contribution of development on the urban heat island and pollution.

Moving from tests on building elements towards exploring buildings as a whole system has greater potential for realising healthier, more sustainable buildings. Click here for more details.

Centenary Joel Lecture: 100 Years of Medical Physics

4:00 pm to 9:00 pm, 17 February 2020

This year’s Joel Lecture marks the 100th anniversary of the Joel Chair, the first endowed professorship of physics applied to medicine in the UK — and one of the first such positions in the world. From Sidney Russ in 1920 to current Joel Chair Professor Robert Speller, we celebrate a century of scientific progress in this field at our annual Joel Lecture.
The programme will include two PhD speakers as well as the keynote Joel Lecture delivered this anniversary year by former Head of Department of Medical Physics & Biomedical Engineering, Professor Jem Hebden. The event will be followed by an evening reception in the Engineering Building Foyer. Click here for more details.
Philosophy Conference
Wednesday 12 February. 12:00 – 17:00. St Paul’s Girls’ School, W6 7BS

Who it’s for: Year 12 & 13 students who have an interest in philosophy, religion and ethics. Teachers welcome.

- What: Talks led by:
  - Professor Simon Blackburn on David Hume
  - Dr Mat Carmody
  - Dr Luke Fenton-Glynn on Epistemology
  - Dr David Mitchell on Aristotelian Ethics
  - Dr Joana Thomas on Environmental Ethics

Cost: Free
Next steps: Let Ms Joy know you are interested by end of school, Thursday 6th February

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Peace
Tuesday 04 February 2020 6:30pm to 8:00pm

What factors promote peace and what actions are justified to achieve it? Join us as we discuss the history, ethics, and politics of peace.

Peace is highly valued, but how is it achieved? Why are some periods in world history relatively peaceful compared to others? What can we, as ordinary citizens, do to promote peace? Is pacifism a justified response to war? What are we justified in doing to ensure peace?

Click here for more information

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Ideals Made Concrete
Wednesday 12 February 2020 6:30pm to 8:00pm

A special edition of BBC Radio 3’s Free Thinking explores how visions of a better future are realised through architecture and design. Click here for more information

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The Shape of the Beast
Friday 14 February 2020 6:30pm to 8:00pm

Join us for this Eva Colorni Memorial Lecture which will see Arundhati Roy read selected extracts from her literary and political work and engage in discussion with Amartya Sen.

Click here for more information
**Rush-hour session: Magnard Ensemble**  
06 Feb 2020, 6-7pm

Award-winning wind quintet Magnard Ensemble present an exhilarating programme of 20th- and 21st-century works, journeying from Russian neo-Romanticism through to the cutting-edge of British compositional talent. The darker hue of the cor anglais colours the opening two works, the melancholy of Shostakovich’s prelude yielding to the wonderfully gritty, earthy energy of Martin Butler’s Down-Hollow Winds. This rhythm drive continues in Ewan Campbell’s The Misinformation Machine, a ‘politically inspired musical satire’ that explores the idea of ‘chinese-whispers’. Our gaze then shifts backwards to an imagined landscape of medieval France, and Milhaud’s jovial evocations of courtly life, before launching into the hypervirtuosity and zany flamboyance of Orbán’s little-known gem. The ensemble are currently Making Music Selected Artists 2019-20, and have a forthcoming residency at Snape Maltings. Recent awards include ‘Young Artist’ platforms with the Tillett and Tunnell Trusts. CD releases comprise two discs dedicated to the music of Stephen Dodgson on Toccata Classics and the Roald Dahl-themed Revolting Rhymes and Marvellous Music on Orchid Classics. Notable appearances include performances at the Wigmore Hall, Culture and Convention Centre Lucerne, the Bridgewater Hall, and broadcasts on BBC Radio 3’s In Tune. [Click here for more info.](#)

**YCAT session: Jamal Aliyev (cello)**  
13 Feb 2020, 7:30pm

Since 2017 cellist Jamal Aliyev made his debut at the BBC Proms, won the Arts Club Sir Karl Jenkins Music Award and was selected by Young Classical Artists Trust (YCAT), and his debut CD Russian Masters was released by Champs Hill Records to critical acclaim. Highlights over the last year include appearances as soloist with the City of Birmingham Symphony, Philharmonia, Royal Northern Sinfonia, London Mozart Players, CBSO Youth Orchestra and Symphony Orchestra Simón Bolívar of Venezuela. He is joined on stage by his frequent recital partner, Jâms Coleman, a Welsh pianist who enjoys a rich and varied musical life performing as a soloist, chamber musician and vocal accompanist. They perform a programme of notable cello works from primarily the late 19th- and early 20th-centuries including Tchaikovsky, Brahms and Popper amongst others.

The event is kindly sponsored and supported by the Young Classical Artists Trust (YCAT), the first of a new partnership between YCAT and Royal Holloway, University of London. [Click here for more info.](#)
Ethical Tech: Bias, Algorithms and Social Justice
5 Feb 2020, 17:30 - 20:00

In this talk I will explore the ethical and societal implications of artificially intelligent language-related technologies. Drawing on critical and feminist theoretical perspectives, and insights from practical efforts to mitigate bias from neural language systems, I will reflect on the complexities and considerations required to develop artificially intelligent systems that are ethical and just. Click here for more info.

Panel Discussion: “Who Owns History?”
by Geoffrey Robertson QC
6 Feb 2020, 18:00 - 20:00

The panel will feature a discussion of Geoffrey Robertson’s recently published book, “Who Owns History? Elgin’s Loot and the Case for Returning Plundered Treasure” Who Owns History? delves into the crucial debate over the Elgin Marbles, but also offers a system for the return of cultural property based on human rights law principles that are being developed by the courts. It is not a legal text, but rather an examination of how the past can be experienced by everyone, as well as by the people of the country of origin. Click here for more info.
The Legal Tech Revolution: Assessing the impact of technology in the court room and in major legal firms
11 Feb 2020, 18:30 - 20:00

We all know that Law is undergoing a revolution, driven in large part by the rise of technology. Taking a look at some of current key developments arising in two very different legal contexts – the courts and some of the World's largest law firms - will be our panel of experts, all of whom are operating at the cutting edge of this development in legal history: Dr Victoria McCloud and Ben Kent. Click here for more info.

Hitler: A Global Biography
12 Feb 2020, 17:30 - 19:00

In his new biography of Adolf Hitler titled Hitler: A Global Biography, Professor Brendan Simms of the University of Cambridge argues that contrary to past accounts, Hitler was driven by a desire to confront the United States and capitalism more broadly. Dr Dina Gusejnova of the LSE will comment on the talk. Click here for more info.

King’s Gollancz Lecture 2020: Marjorie Garber.
“As ‘Twere,” or, Hamlet’s Funhouse Mirror
13 Feb 2020, 18:30 - 20:30

Why the most famous pronouncement on “the purpose of playing” may in fact be playing us. Marjorie Garber is the William R. Kenan, Jr., Professor of English and of Visual and Environmental Studies at Harvard University. She is the author of eighteen single-authored books and the editor or co-editor of seven edited collections. At Harvard she has served as the Director of the Humanities Center, the Director of the Carpenter Center for the Visual Arts, the Chair of the Department of Visual and Environmental Studies, Associate Dean of the Faculty of Arts and Sciences and Director of Graduate Studies in the English department. Her teaching, in both seminars and lecture courses, has been honored by the university and by her students. Click here for more info.
Supporting your child with their level 3 studies

1. **A quiet space to study without distractions**
   It’s important that your child has a quiet space to study in. Remember the sixth form study centre is open every day until 6pm. Local libraries provide another location. Encourage your child to keep their mobile phone in another room during a study session so they are not distracted by calls, messages and notifications.

2. **The importance of regular sleep, food, fresh air and exercise**
   Regular routines for eating and sleeping train our brain and bodies to be most effective for the times of day we have lessons and exams, supporting healthy bodies and excellent attendance. Sleep is crucial to the effective functioning of our brain; staying up late builds up a sleep debt, impacting on retention and energy levels.

3. **Attendance and punctuality**
   Encourage your child to make it to school on time each day to maximise their exposure to expert teaching and guidance. The first step out the door in the morning can be the hardest, but making that step leads to the next and to success. This includes attendance at intervention for targeted development of skills for the exam and more opportunities for your child to ask questions.

4. **A realistic and specific revision timetable**
   Ensure your child has a revision timetable that breaks down not only which subject, but which topic. Make the timetable realistic, breaking revision into manageable chunks with regular breaks between sessions. It’s far more effective to do 30 minutes of successful revision than plough on for hours and not get anywhere. Display prominently at home to support your child to stick with it and to celebrate the sessions they have completed. Make sure your child’s timetable covers all areas of the specification.

5. **Resources**
   Please ensure your child has access to all the resources they need for their courses, e.g. recommended textbooks. Encourage your son/daughter to explore the revision materials that are available. The sixth form study centre is open every day until 6pm; students have access to a quiet space for learning, computers and the internet, as well as the opportunity to touch base with teachers. Ensure your child has the specifications and talk to your child about them, supporting your child to identify their target areas and refine their revision plan.

6. **A range of active revision techniques**
   Help your child to find effective methods of learning and retaining information. Reading notes and textbooks feels comfortable, but it isn’t effective. Active revision that includes retrieval practice feels uncomfortable, but it is effective.
   a. Mind mapping the various stages of each topic before trying practice questions
   b. Drawing flow charts and diagrams before trying practice questions
   c. Creating flash cards with bite size facts and figures and then using them for self-testing
   d. Making notes and talking through them, then using them for self-testing

7. **Exam questions**
   Many departments have uploaded these to Edmodo. Use these in timed conditions the closer your child gets to the exams, without checking against the answers all the time. You could support your child in checking their marking using mark schemes.

8. **Perspective**
   Help your child to keep everything in perspective. Remind them that the better they prepare and the more confident they feel in their subject knowledge, the less stressed they will feel when the exams start. Have a chat with them, give them a snack. By the end of June, the exams will be over and it will be the start of the long summer holidays.
Taster Sessions and Open Days

Following on from the LSE talk, we would strongly recommend that both Year 12 and 13 students begin/continue to take the research into university options very seriously.

It is well-worth your time and effort to try to attend a taster or, if there is no taster, then at least an Open Day, at the universities you are considering. For Year 13, it is very important to do this before you finalise your Firm and Insurance choices. Often, there will be Offer Holder Days, and these allow you to fit in a visit between being made an offer and having to decide whether you wish to accept or decline it.

Many London universities offer taster courses at: https://london.ac.uk/ways-study/study-campus-london/university-taster-courses

Below, are some of the courses available through the London Universities website, as well as some taster courses outside London, or other courses in London not shown on the London University taster courses site.

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<th>Course</th>
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<td>Electronic Engineering</td>
<td>KCL</td>
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<td>Neuroscience &amp; Psychology</td>
<td>KCL</td>
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<td>Culture, Media &amp; Creative Industries</td>
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<td>Global Health</td>
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<td>Geography</td>
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<td>Midwifery</td>
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<td>Child Nursing</td>
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<td>General Engineering</td>
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<td>Theoretical Physics</td>
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<td>Biochemical Engineering</td>
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<td>English: Fantasy and Literature</td>
<td>RHUL</td>
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<tr>
<td>Law and Criminology</td>
<td>RHUL</td>
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