

## Careers Information & Opportunities



***Dear Parents, Carers & Students***

***Please find below this week's Careers News.  
If you have any career tips, comments, suggestions  
– or come across useful resources - **feel free to email.**  
[claire.jonas@tbshs.org](mailto:claire.jonas@tbshs.org)***

## Special Announcements

### **East Herts Team – Services For Young People - Save the Date**

Celebrate the refurbishment and re-opening of *Bishop's Stortford Young People's Centre* at 14 Northgate End, Bishop's Stortford CM23 2EU. The event takes place at 1.00pm, Wednesday 2nd November 2022. More details to follow.

## Health & Wellbeing

### **Mindful Mix From BBC Sounds**

Drift off with a collection of gentle music and calming soundscapes – it even includes Radio 4's tranquil shipping forecast <https://www.bbc.co.uk/sounds/curation/p0bw83p3>

Or perhaps an escape to the rainforest with 2 hours of immersive sound:

<https://www.bbc.co.uk/sounds/play/p08g2bsc>

Drift away with a weekly dose of the world's most soothing piano music:

<https://www.bbc.co.uk/sounds/brand/m000v44b>

## Apprenticeships

***Students with a Unifrog log-in can see all apprenticeship listings, on-demand webinars and more***

***Students should research the many apprenticeship websites  
(Amazing Apprentices, Springpod, Uptree, Success at Schools etc) and  
if they haven't already, register with the government website, [click here](#)  
Here's a flavour of what is available right now:***

### **HSBC Foundation Apprenticeships – Applications Open**

The *HSBC Foundation Apprenticeship* programmes are one way to start your career with one of the world's largest banks. Various locations available across the UK: Hamilton, Swansea, Sheffield, Leeds and Birmingham. Applications are open now and close on **25 September 2022**. To view and apply visit the [UK Apprenticeships](#). For all apprenticeship queries please contact [Apprenticeship Team](#)

### **Opportunities Available via Career Map & Rate My Apprenticeship**

Various listings, [click here](#) and [click here](#)

### **All You Need To Know About Apprenticeships**

*Amazing Apprenticeship* have a terrific website packed full of facts, information and guidance. Here's the link to explore everything you might need to know, [click here](#). Apprenticeship levels explained in *Rapid Resources*, [click here](#)

### **What is a Degree Apprenticeship?**

The UCAS website has some good information, [click here](#)

### **ASK Apprenticeships Resources For Parents & Guardians**

Downloadable resources designed for parents, carers and guardians to help support a young person in making informed career decisions. [Learn more](#)

### **Parents Pack**

The latest edition of the *Parents & Carers' Pack* was released in July and it's still available [here](#); packed full of interesting articles such as a new occupational traineeship, an overview of the Digital Business Services T Level and much more.

### **Vacancy Reports**

Weekly apprenticeship and traineeship vacancy reports are now available showing all live vacancies broken down by local authority. To sign up to receive the reports, please send an email request to [communications.ESFA@education.gov.uk](mailto:communications.ESFA@education.gov.uk) - noting the region you require.

### **League Table – Apprenticeship Providers**

Take a look at the top apprenticeship providers from *Rate My Apprenticeship*. Based on thousands of insightful reviews, the tables reveal which companies are leading the way in offering world-class apprenticeships and training to school and college leavers in the UK. [Click here](#)

### **Apprenticeships – Recruiting Now**

Here's a round-up from *Success At Schools* – many top prestigious employers are listed. [Click here](#)

## **College/University Information**

### **Advance Notice – College Open Events**

Please see list below:

Capel Manor Advice Evening – 22<sup>nd</sup> September. You can find out more [details here](#)

Cambridge Regional College – 12<sup>th</sup> October 4.30pm-7pm. [Register here](#)

Stansted Airport College – 15<sup>th</sup> October 10am-2pm. Registration tbc

Harlow College – 20<sup>th</sup> October 5pm-8pm. Registration tbc.

Hertford Regional College – 1<sup>st</sup> November 5.40pm-8pm. [Register here](#)

Long Road – Tours available to book from end of September

### **Meet The Russell Group**

On the 4<sup>th</sup>-6<sup>th</sup> October 2022, Southampton University are hosting a programme of webinars in which students can find out lots of information about the institutions that make up the Russell Group. These webinars are tailored to students aiming to start University in Autumn 2023 & 2024 and will be hosted on the UK University Search platform. Students can register here. [Click here](#)

## **Everything You Need To Know About Russell Group Universities**

Whether asking what is a *Russell Group* university - or weighing up whether they are worth it - here are some answers. [Read More](#)

## **What's The Point Of Going To University?**

If still wondering about university, a recent edition of Radio 4's *You and Yours* focussed on the cost of university and whether it fast tracks your career. For those pondering, it might be worth a listen. [Click here](#) but login to *BBC Sounds*.

## **What Can I Do With My Degree**

Not just for graduates, *Prospects* is the ultimate research tool when it comes to subject choice. The 'What can I do with my degree?' tool can be used for students struggling to identify potential career paths from studying particular degree programmes. [Click here](#)

## **UniTasterDays Parents' Guide to University FREE To Download**

*The Parents' Guide to University* has been produced by *UniTasterDays.com* in collaboration with *HELOA* - to help parents or guardians support their young person with their higher education decisions. Editorial has been provided by over 40 colleagues at universities and schools and colleges throughout the UK on topics including student finance, university applications, university events, student wellbeing and more. [Click here](#)

## **University College London Parents Guide to University**

Starting university is a major turning point in a young person's life. This can be an anxious time for parents and carers. *UCL* have created a guide that aims to answer some questions for parents and carers. [Download here](#)

## **UniTasterDays – Blog Updates**

The latest bogs feature an [introduction to university widening participation and fair access](#) and a [guide to the 2023 student finance changes](#).

## **Uni Taster Days - University Event Directory**

*UniTasterDays* are hosting online university events for students and here's a handy one-stop directory where you can search online. There are listings for taster days, masterclasses, workshops and open days in every imaginable subject – some 127 pages – with filters! Additional sessions such as, *Understanding The UCAS Process*, *UCAS And Personal Statements* and *Student Life*. It's available [here](#). **Special Note:** Workshops can prove useful background research for subjects, EPQs etc. Here's a link to the home page of this terrific directory:

<https://www.unitasterdays.com/>

## **UCAS for Parents**

The UCAS website provides a wealth of information geared towards parents including a guide that you can download and information on financial support and budgeting, [click here](#)

## **Years 11-12 – Have you Considered All The Options?**

University is a great choice for many students but if you're not sure, there are other options. [Click here](#) for an overview from *Success At Schools*. For the pros and cons of university, [click here](#). Which university and what degree to choose? There's some help [here](#) and [here](#). Finally, here's some general information on open days and how to make the most of them, click [here](#)

## **Work Experience**

***Please ensure you speak with your Head of Year before attending sessions that fall on a school day***

### **Investin Programmes**

This autumn, *Investin* are offering work experience in nineteen cutting-edge industries. Students will learn directly from leading professionals - doctors, dentists, lawyers, engineers, investment bankers, architects and more - through a series of live, interactive simulations that provide tailor-made professional experience to students ages 12-18. All programmes take place on Sundays at UCL; students can also attend live online if they prefer.

Age 12-14 view & register [here](#)

Age 15-18 view & register [here](#)

***Please note, there is a charge to attend programmes***

### **NHS Talent Academy**

All current work experience opportunities are now available to view and apply to via *NHS Talent Academy*  
<https://nhstalentacademy.org.uk/work-experience/>

There are a range of clinical and non-clinical placements available across a range of specialities, areas and departments. Placement age and health restrictions apply. To view and search for work experience placements, you will need to register for an account with NHS Talent Academy. Once registered, you will need to login to apply.

### **Princess Alexandra Hospital**

Are you considering a career in the NHS? There's a variety of work experience opportunities that will allow you to explore a range of careers across the NHS, from Medical Specialties, to Physiotherapy, to Human Resources. Opportunities are open to those aged 14+, applications welcome.

Contact details: For general work experience queries please email [Katoushka.larbey-douglas@nhs.net](mailto:Katoushka.larbey-douglas@nhs.net)

To view and apply for work experience opportunities at The Princess Alexandra Hospital NHS Trust, please register for NHS Talent Academy at: <https://nhs-lincs.work-experience.co.uk/login/RegisterStudent.aspx>

### **Uptree – Regularly Refreshed**

Register for work experience days (*ARM, GCHQ, JP Morgan, Shawbrook Bank and Ogilvy* amongst others) in creative, finance, accounting, tech and more. Lots of new opportunities now available. [Click here](#)

### **CareerDays – Online Work Experience**

*CareerDays.co.uk* is for any student aged 14-17 who wants to experience different careers or gain work experience in their chosen field. From medicine, law, performing arts, psychology, business or becoming a vet, we have a 1-day online event for you, designed to give you an insight into life in your chosen field. Visit [www.careerdays.co.uk](http://www.careerdays.co.uk) to enrol on any course.

### **Years 10-13 Work Experience via Speakers For Schools**

There are **dozens of opportunities** available via the *Speakers For Schools* website. Do sign up so that you are able to view them – many are virtual so even more of a reason to sign up. To sign up, [click here](#)

### **Virtual Work Experience – Springpod**

For a full list of the programmes offered, please [click here](#). You can create a *Springpod* account by going to <https://www.springpod.co.uk/> and clicking 'get started'.

## **Careers**

***Check out the TBSHS careers website where you'll find previous bulletins  
plus information including quizzes and research tools***

***Home page: <https://tbshs.org/careers/>***

### **Cambridge University Hospitals – Open Event – Saturday 15<sup>th</sup> October**

**Nursing, Midwifery & Healthcare Support Worker** – Register here <https://bit.ly/3AhZs13>

CUH are hosting a nursing, midwifery and healthcare support worker open day on Saturday 15

October 2022, 10:00am - 15:00pm Learn about the different roles and areas *within Cambridge University Hospitals and Royal Papworth NHS Foundation Trusts*.

### **What Career? Live**

Taking place at Olympia on 12<sup>th</sup> November, this event is to help students explore higher education and career options. Speak directly to top employers and leading Get one-to-one advice from independent careers advisors in the Careers Advice Lounge. Participate in free employability skills workshops. [Click here to register for tickets](#)

### **Career Mag – For Parents**

This issue sponsored by *NOCN* and supported by *PiXL, Get the Jump* and many more, covers lots of tips for post 16 and 18 options, the UCAS application key dates, talking careers with your children and more. [Click here](#)

### **Where Can Science Take You?**

Check out the *My Learning, My Future* resources from The Careers and Enterprise Company highlighting the relevance of subjects to future careers. [Click here](#)

### **Jobs In The Media & Creative Sector**

*BBC Bitesize* has a comprehensive section on jobs in the media and creative sector with FAQs and job profiles ranging from costume design and make up to presenting and producing. [Click here](#)

### **Interview With A Design Engineer**

Louise is a Design Engineer with JCB, where she is undertaking a degree apprenticeship. Find out how to follow in her footsteps. [Click here](#)

### **Opportunities at PwC**

*Price Waterhouse Coopers* is known for its corporate finance accounting which provide services like audit, tax analysis, business compliances, corporate finance, risk management, security and other such services that are on par with the latest in the financial industry. Here are the latest school leaver opportunities. [Click here](#)

### **Stansted Airport Jobs Fair**

The event will be held between 11am and 2pm on **Tuesday 4<sup>th</sup> October**, at the Radisson Blu Hotel, London Stansted Airport. Guests can book a place to attend via [this link](#)

### **Webinar – Which Engineering Career Is Right For You ?**

Join Dr Lindsay-Marie Armstrong on **Tuesday 20 September at 17:00 BST** to explore the wide range of engineering subjects that you can study, and find the right one for you:

Explore the science of sound and vibration with Acoustical Engineering

Innovate healthcare solutions for the future with Biomedical or Medical Engineering

Focus on sustainable technologies and processes with Chemical Engineering

Design the spacecraft of the future with Aeronautics and Astronautics

Specialise in the vessels and structures that operate in one of the most extreme environments on the planet with Ship Science. [Click here to book](#)

### **Free Magazine – Make The Future Yours**

This issue includes case studies on what it's like being a Lab Technician, a Conservation Biologist and a Landscaper. It can be viewed for free at [www.makethefutureyours.uk/latest-issue](http://www.makethefutureyours.uk/latest-issue) along with previous issues.

### **Career Webinars from HOP**

During the COVID-19 lockdown, schools across the UK were unable to meet the requirement to provide students with encounters with employers therefore *Hertfordshire Opportunities Portal (HOP)* launched a new series of webinars featuring interviews with local employers. Browse the full series. [Click here](#)

### **Engineering The Future – Sustainable Use Of Our Oceans - Webinar**

Join Dr Nick Townsend from the *University of Southampton* on Wednesday 21st September at 17:00 BST for 'Engineering the future: sustainable use of our oceans.' Learn about how the maritime sector underpins all aspects of our lives, from transporting goods to generating energy or providing leisure and recreation. Discover the new technologies that are transforming this sector in order to reduce CO2 emissions, generate clean energy and improve safety. You'll also find out about studying Ship Science and Maritime Engineering at university, what you'll study and the potential careers. [Click to book here](#)

### **Green Careers Week – Save The Date**

It's *Green Careers Week* 7<sup>th</sup>-12<sup>th</sup> November, engage with green career opportunities and help solve the challenges of the future. Keep an eye on this website: <https://greencareersweek.com/>

### **The Times Top 100 Graduate Employers Guide**

*The Times Top 100 Graduate Employers* is the annual guide to the UK's most prestigious and sought-after graduate employers. The latest edition is now available and includes the latest ranking and details of the top employers' graduate programmes, the universities they target for their recruitment the different types of vacancies available and practical information such as their graduate starting salaries and minimum entry requirements.

Read & download the digital edition [Click here](#)  
Top 100 Graduate Employers website [Click here](#)

### **Free Careers Guides For Parents/Carers**

Free from *Success at Schools*, these guides are designed to help parents/carers support young people. From university and apprenticeships to work experience, they are packed full of advice to help support your child in making the best career choices for them. Register to receive the free guides directly to your inbox. [Click here](#)

### **Year 10-13 - Mini Medical School – Newcastle University**

This autumn sees the return of the university's *Mini Medical School* and offers students the chance to explore the exciting world of Medical Science. There will be a series of interactive lectures delivered by expert clinicians and academics on topics ranging from pharmacy, psychology and sport and exercise science, to the latest research. Delivered online, lectures will run on November 3, 10, 17 and 24, with the final session on December 1. [Register here](#)

### **Uptree – Fantastic Short Courses – JP Morgan, ARM**

Researching a company is perhaps the most important factor when applying for a job - especially when applying to larger companies like *J.P. Morgan*. Complete the free online learning courses to learn how to ace your application and stand out against other applicants [Click here](#)

### **Years 7-13 Free And New Resource - The Careers Source**

From *InvestIn*, this is a brand-new hub for careers content, tailor-made for ages 12-18. *The Careers Source* offers a range of highly relevant guidance and advice from some of the top industry professionals. With dozens of blogs and videos to choose from, you can also get advice on how to break into medicine, how to launch an eco-friendly career, experience a day in the life of a fashion designer, and much more. Free to access. [Click here](#) and see the first item on the menu page. There's plenty of other useful resources to explore too.

### **BBC Bitesize**

*BBC Bitesize* have some great advice from leading careers experts and over 350 job case studies from people who've found the right path for them. [Click here](#) for the home page. Check out *Where could your favourite subject take you?* *Explore careers by job sectors* and *Careers A-Z – Find your Perfect Job*.

### **Find Out More About Individual Jobs**

For snapshots into the world of work, visit the *icould* website to explore hundreds of videos about different jobs - search by filters such as job type and school subject. [Click here](#)

### **Live & On-Demand Careers Videos**

Find out about different career sectors and employers with these live and on-demand sessions from *Learn Live*. Recent broadcasts include construction giants *Balfour Beatty*, a focus on the hospitality industry and apprenticeship insights. <https://learnliveuk.com/channel/>

### **UCAS Careers Advice**

Explore job roles and take the careers quiz. [Click here](#)

### **Careers Sessions With Speakers For Schools**

Upcoming live broadcasts schedule: Live broadcasts are a great way for students to hear directly from leading figures from a range of industries, and have the opportunity to ask questions via a moderated Q&A.

#### **UPCOMING TALKS**

DATE	SPEAKER	INFO
Wednesday 21 <sup>st</sup> September 10-10:45am	How to talk about Mental Health with Alistair Campbell & Fiona Millar  For KS5/S6	Talking about mental health can be difficult. We should be encouraging to others who speak honestly about their feelings. We are delighted to present for students aged 16 – 19 a broadcast with Alastair Campbell a mental health campaigner and Fiona Millar, Writer, Journalist and campaigner on this important topic. Click <a href="#">here</a> to register



Wednesday 21 <sup>st</sup> September 2-2:45pm	Captain Polly Marsh, Royal Military Academy Sandhurst  For KS4-5/S4-6	What are the characteristics of a good leader? Watch our broadcast with Captain Polly Marsh to learn how developing your leaderships skills can improve your confidence, resilience, and employability skills. Click <a href="#">here</a> to register
Thursday 22 <sup>nd</sup> September 2-3pm	Naureen Khan, Chief of Staff, Accenture & Former Chair of the Central Government Council, TechUK  For KS4-5/S4-6	If you're considering working in the fast-growing digital tech sector, this may be the broadcast for you! Naureen will be speaking about some of the exciting roles in her industry that you may never have heard about before and the work being done to close the gender gap in her industry. Click <a href="#">here</a> to register
Tuesday 27 <sup>th</sup> September 2-2:45pm	Nic Marks, TED Speaker, Founder, Statistician & Happiness Expert  For KS4-5 / S4-6	Hear from Nic Marks, creator of the Happy Planet Index – world's first measure of sustainable wellbeing. Further details to come! Click <a href="#">here</a> to register
Thursday 29 <sup>th</sup> September 2-3pm	Pietro Ponti and Emily Shordon, Industrial Light & Magic  For KS4-5/S4-6	Join Industrial Light & Magic for an insightful webinar about all the different careers you can have in the visual effects industry. We'll be joined by Pietro Ponti (Visual Effects Supervisor) as well as Junior Artists to talk about the magic of having a rewarding career in Film and TV! Click <a href="#">here</a> to register
Thursday 6 <sup>th</sup> October 10-10:45am	<b>Black History Month:</b> Deborah Williams OBE, Chief Executive, Creative Diversity Network For students aged 14+	Join us and Deborah Williams OBE, Chief Executive, Creative Diversity Network, for an exciting broadcast that is part of this year's Black History Month - Time for Change: Action Not Words.' More details to follow. Click <a href="#">here</a> to register
Tuesday 11 <sup>th</sup> October 2-2:45pm	<b>Black History Month:</b> Discover Economics For students aged 14+	DETAILS TBC Click <a href="#">here</a> to register
Friday 14 <sup>th</sup> October 10-10:45am	<b>Black History Month:</b> Hilary Carty, Director, Clore Leadership For students aged 13+	Join us and Hilary Carty, Director, Clore Leadership for an exciting broadcast that is part of this year's Black History Month - Time for Change: Action Not Words.' More details to follow. Click <a href="#">here</a> to register
Tuesday 18 <sup>th</sup> October 10-10:45am	<b>Black History Month:</b> Oluchi Ikechi, Partner, Head of Strategy & Transactions APAC, Capital Markets, Ernst & Young Parthenon. Founder of 'Fully Bossed' For KS4-5/S4-6	Join us and Oluchi Ikechi, Partner, Head of Strategy & Transactions APAC, Capital Markets, Ernst & Young Parthenon. Founder of 'Fully Bossed' for an exciting broadcast that is part of this year Black History Month - Time for Change: Action Not Words.' More details to follow. Click <a href="#">here</a> to register

## HOW TO JOIN THE LIVE BROADCASTS

Join 10 minutes before the broadcast to be ready

You can join without needing an account – [Watch how here](#)

Watch pre-recorded broadcasts from our library [here](#).

## Resources

### Prospective Geographers

*Speakers for Schools*, have these two broadcasts which might prove to be useful background reading/research.

Watch [Paul Williams, talk about working on the BBC Series Green Planet.](#)

Or watch [Hugo Tagholm discuss his work for Surfers Against Sewage.](#)

### EDT/Industrial Cadets

To learn more about all the EDT Programmes and Industrial Cadets levels and have a look at this year's programme please [click here](#). For more information on the STEM programmes see the Home page, [please click here](#)

### HSBC Monthly Webinars

**A taste of success – Bite-sized virtual events** The Early Careers team at HSBC have created a series of bite-sized virtual events and supporting material, all designed with the aim of developing soft skills. These are all geared to give

confidence on current and future employment prospects, myth bust common recruitment misconceptions and target key employability skills to give you an advantage when looking for a career. The zoom webinars are free to attend - spaces are limited, and will be allocated on a first come, first serve basis.

**September:**

Tuesday 20<sup>th</sup> September 2022 17:30-18:30pm

*Back to School: Investing in futures*

[Click here for the registration link](#)

**October:**

Thursday 13<sup>th</sup> October 2022 17:30 - 18:30pm

*Do I need a degree to succeed?*

[Click here for the registration link](#)

**November:**

Tuesday 15<sup>th</sup> November 17:30 - 18:30pm

*When I grow up I'm going to be...*

[Click here for the registration link](#)

**To register for future upcoming opportunities, please click [here](#)**

**Courses From Skills Gap**

*Skills Gap* is a career accelerator that runs insightful workshops for young people aged 15-19 . There's a range of intensive workshops this autumn, all delivered to small groups by experienced industry experts:

**Careers in Hacking** Saturday, 1 Oct 2022

Top-flight businesses and governments the world over are recruiting for a new elite force: a band of ethical hackers charged with protecting our most sensitive information and the infrastructure that powers our everyday living. The online workshop is taught by Daniel Wilkinson, a Security Consultant at NCC Group. He gives a beginner's guide to ethical hacking and the skills you'll need to succeed, with practical experience of hacking your way into a vulnerable online storefront.

**AI in Astrophysics** Saturday, 8 Oct 2022

With new telescopes powerful enough to see galaxies formed in the wake of the big bang, the online workshop introduces the AI helping scientists to interpret this data to identify stars and plot the shape of the universe. Taught by Joe Sims, an AI PhD student at Leeds University, you'll step into the inspiring world of AI in astrophysics and get first-hand experience of using a neural network to classify stars.

**AI in Medicine** Saturday, 8 Oct 2022

Medicine is on the verge of an Artificial Intelligence revolution – from pioneering surgeries to algorithms that predict future health issues. The workshop is delivered online by med-tech experts, and will introduce you to key AI trends in medicine, its influence on global healthcare, and the tech skills you need to get ahead. You'll also take part in an exciting hands-on diagnostic exercise using AI modelling tools.

**Blockchain & Cryptocurrencies** Saturday, 15 Oct 2022

Blockchain is revolutionary. It powers the cryptocurrencies that are changing the face of finance and offers safer ways to store sensitive data. But what's next? The online workshop, delivered by a blockchain expert, provides a fascinating insight into the world of cryptocurrencies, how they are analysed and traded, and blockchain's ongoing potential. During the workshop you will get first-hand experience of coding in Python to build a systematic trading strategy for cryptocurrencies.

**Coding for Game Design** Saturday, 22 Oct 2022

With one third of the world's population already estimated to be gamers, the gaming industry offers one of the hottest career tickets today. The online workshop gives you a unique insight into the latest trends from multiplayer games to game streaming. Led by Josh Hills, a programmer on some of the world's largest multi-player games, including Runescape and Horizon, you'll get first-hand experience of developing and enhancing a physics-based game prototype and discover the skills you'll need to succeed.

**AI in Engineering** Saturday, 5 Nov 2022

Finding new and optimal ways of doing things is at the very core of engineering. Which makes it the perfect partner for AI and machine learning, from smart production lines to image processing technology that allows machines to see. The online workshop is led by civil engineer and data scientist, Johan Hagstrom, who will introduce you to key AI algorithms and trends. You'll also get hands-on experience with Python, being guided through a computer vision algorithm that can detect cars on the road – a peek into the world of self-driving vehicles.



## **AI in Finance** Saturday, 12 Nov 2022

The world of finance has been an early adopter of machine learning, from fraud detection to finance chat bots, yet it's still just touching the surface of AI's potential. The workshop is led by Chelsea Murray, a data scientist at ING with a Masters in Machine Learning and Machine Intelligence from University of Cambridge. Chelsea will introduce you to the vast range of financial AI applications and give you practical experience training a machine learning algorithm to predict credit card fraud.

**For further information and to register for any of the events, please visit [www.skillsgap.tech](http://www.skillsgap.tech) NB Charges apply**

## **From The University of Hertfordshire**

Register below for the following webinars:

**Nutrition & Dietetics:** Do you know what you are eating?

05 October 2022, 17:00 - 18:00

**Geography & Environment:** Probably the best subjects in the world!

06 October 2022, 17:00 - 18:00

**Philosophy Masterclass:** Meditations on Descartes

13 October 2022, 17:00 - 18:00

**Nutrition & Dietetics:** How do you know you are healthy?

02 November 2022, 17:00 - 18:00

**Geography & Environment:** Green Belts

03 November 2022, 17:00 - 18:00

**Study skills:** Research Methods

10 November 2022, 16:30 - 17:15

Find out more and [book any of the above events on the website](#).

## **MIT Online Courses**

The Massachusetts Institute of Technology (MIT) has an open courseware site where you can search for free courses in a wide range of subjects – especially useful for sixth formers researching projects, EPQs etc as well as engaging more deeply with your subject area. [Click here](#)

## **Outreach From Imperial College, London**

### **Year 13 Maths & Further Maths Online Programme**

The *mA\*ths* and the *Further mA\*ths* Online Programmes (supported by the Hg Foundation) aim to support A level Mathematics and Further Mathematics students who are considering studying a numerate degree at university. Applications are open now for Year 13 students who would like to develop the skills needed to achieve an A\* in their respective A Level. Students on the programmes will be provided with tailored online support through two MOOCs (Massive Open Online Course), including online mentoring from Imperial students. They'll also attend two masterclasses with Imperial academics, students and external partners. This initiative runs in collaboration with MEI.

To find out more about the programmes and eligibility criteria, please visit the [mA\\*ths Online](#)

Programme webpage and/or [Further mA\\*ths](#) Online Programme webpage.

Applications are made via the [Aspire](#) system and close at 23:59 on Thursday 22 September 2022.

As these programmes are online, applications are encouraged from students nationally who live outside London.

For any queries, please contact [mathsonline@imperial.ac.uk](mailto:mathsonline@imperial.ac.uk)

### **Year 12 STEM Potential Programme**

*STEM Potential* supports students with their A-level studies and university applications during year 12 and year 13. Students will take part in practical workshops, lectures and university taster days.

Students will have the opportunity to meet current Imperial students and learn about their university experiences.

Applications will close on 20 October and you can find more information visiting the [STEM Potential page](#).

There will also be an opportunity for Year 10 students in November. For any queries please contact

[stempotential@imperial.ac.uk](mailto:stempotential@imperial.ac.uk)

### **Year 12 Pathways to medicine**

A two-year widening participation programme for young people aged 16-18 interested in studying medicine, Pathways to Medicine is now open for 2022/23 applications.

This programme is for highly motivated state-school students who demonstrate a keen interest in pursuing a career in medicine. The programme recruits year 12 students at the beginning of their A-level (or equivalent) courses and provides ongoing support into year 13.

Applications close on Monday 26th September and you can read more about the programme, eligibility and how to apply here. For any queries please contact [pathways@imperial.ac.uk](mailto:pathways@imperial.ac.uk)

#### **Years 7-9 Free, self-paced resources STEM in Action - Environment**

The fourth module, Environment, has now launched. Learn more about how scientists at Imperial College London are working towards understanding climate change and the effects it is having on crops and ecosystems. STEM in Action is an online resource with themed videos and activities that can be completed at home or in school. You can also explore our previous modules The Human Body, Beyond Our Planet and Energy and Sustainability.

#### **Year 10-11 – Resources from University College London (UCL)**

Find free [resources for students in Year 11](#) to prepare for the future and make informed decisions about where to go next.

#### **Free Resources From STEM Learning**

To support parents and carers, our subject experts have put together a selection of activities and materials, which are free for everyone to access. [Click here](#)

## General

#### **Report – Education Inequalities**

Here's an interesting article highlighting the changes in education over time and how education inequalities today are tomorrow's income inequalities. [Click here](#)

#### **HOP into TikTok**

[Hertfordshire Opportunities Portal \(HOP\)](#) is the #1 website for Hertfordshire residents looking for careers advice, sector information and local jobs, apprenticeships and courses. With its [#HOPintoTikTok competition](#), HOP is challenging Year 12 students to come up with the most unique, engaging and creative *TikTok* videos to help promote the website to other young people, for the chance to win £1,500 for their school and a £100 voucher for themselves. The competition will run from 12 September to 28 October and is open to Year 12 students aged 16 and above from Hertfordshire schools. See links above for details of entry.

#### **Codebreaking & Cryptography Club - Every Monday (Starting 12th Sep), 13:20-14:00, Room 18, Years 9-13**

This is your chance to learn about the mysterious world of secret messages! How did Julius Caesar keep his military secrets safe from enemies? How did Britain crack the German's enigma code, which helped us win the war? Why can I not read your WhatsApp messages, even though you send them through the internet? The answers all lie in the study of codebreaking and cryptography. Attendees of the club will take part in the National Cipher Challenge (<https://www.cipherchallenge.org/>). This competition consists of 10 mini challenges taking place between October and December. You will get plenty of chance to practice your deciphering skills and compete against teams all over the country.

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