

## Careers Information & Opportunities



**Dear Parents, Carers & Students**  
**Here is this week's round-up of Careers News.**  
**If you have any career tips, comments, suggestions**  
**– or come across useful resources - please email**  
**[claire.jonas@tbshs.org](mailto:claire.jonas@tbshs.org)**

## 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](#)**

**The apprenticeship 'season' has begun and future bulletins will highlight occasional openings as they arise. However, students should research opportunities continuously**

### **BAE Systems**

Apprenticeship window now open for 16+ school leavers, 18+ school leavers plus degree apprenticeships. Take a look at these prestigious opportunities. [Click here](#)

### **Cambridge Consultants**

Part of *Capgemini Invent*, *Cambridge Consultants* is one of the world's leading product development and technology consultancy firms. Here are a few blogs from some of their engineers, which will be useful to those who may be considering a career in STEM or are unsure on the opportunities and careers available: [Apprenticeships at CC | Cambridge Consultants](#) Graduate opportunities also available [Tech scholar to graduate: Kick start your career at Cambridge Consultants](#) [Unlock your potential as a graduate at Cambridge Consultants](#)

### **Parent/Carer Apprenticeship Virtual Careers Fair**

This free event is for parents, carers and students in Years 10-13 to explore apprenticeships and T-Level options. It takes place on 24<sup>th</sup> January 5.30pm-7pm. [Click here](#)

An **apprenticeship** with **Deloitte** offers the chance to leap into the world of professional services. Participants can earn and learn, gain professional and degree level qualifications, and help solve some of our clients' most complex problems, right from the start in areas such as **Audit & Assurance to Consulting, Tax Consulting to Technology**. Anyone interested should visit our careers site and apply now. [Click here](#) to learn more about the early careers opportunities

### **Latest Higher & Degree Listings**

*Amazing Apprenticeships* have an [up to date list here](#).

Also a little late but **October's Parent/Carer Pack** is now available to download [here](#). In this month's edition, hear from apprentices working in Early Years and as Solicitors at Farrer & Co. You can also find out more about the 'The Big Ambition' survey, what's involved in a T Level Foundation Year.

### **Apprenticeships For Parents/Carers**

From *Amazing Apprenticeships* comes this guide full of hints & tips for parents/carers. [Click here](#)

**And the November's Parents and Carers Pack** is now available to download [here](#). In this month's edition, you can find out more about HTQs, T Levels, the Higher and Degree Apprenticeship Vacancy listing, apprenticeships in engineering and accounting.

### **Apprenticeship Success**

Access real-life stories from apprentices to finding out what it's really like to do an apprenticeship.

[Success Stories](#) | [RateMyApprenticeship Hub](#) Also from *Rate My Apprenticeship* is the **Parent/Carers Hub**. [Click here](#)

### **Things I Wish I'd Known Before Starting My Apprenticeship**

If applying for apprenticeships in any field, you will probably find this post from *NotGoingToUni* very useful.

[Click here](#)

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

Top companies are hiring now; EY, Arcadis, Marsh McLennan, CGI, GE Aerospace, Unilever, mace, Softcat, AWE and BP. [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](#)

## **College/University Information**

### **\*\*\*Tomorrow\*\*\* Years 10-13 Local College Open Event**

Please see the College website for information & registration.

Capel Manor – 7<sup>th</sup> December 6pm-8pm (Virtual)

Cambridge Regional - Saturday 27th January 2024 – 10am-12:30pm

### **Free Download Guide For Parents**

From *Success at Schools*, this free digital guide will help parents and carers support their children to make informed decisions about their next steps after school and is designed to provide them with all the information they need to make a successful application to uni. Articles include: Is university right for my child? How to choose a university, applying through UCAS, writing a personal statement, student finance, Summer Schools (Sutton Trust), accommodation - and lots more [Click here](#)

### **Choosing The Right Degree**

*Lancaster University* have gathered together their top resources to help students struggling with that decision, along with some guidance on how to pick a degree course.

[SACU](#) - great for Year 12s struggling to decide on the right degree or apprenticeship for them. Take a short picture-based quiz and SACU will come up with a cloud of subject areas that would suit a student.

[Prospects](#) - another great website for browsing through degree subjects and the careers they can lead to. *Prospects* is also useful for working backwards - starting with a desired career in mind and seeing which degrees or other pathways would be best for achieving a role within that industry. [Hear from Student Ambassadors](#) – a blog on how to choose between universities.

### **Graduate Case Studies – Sheffield University**

The University's [Graduate Case Studies database](#) is an excellent resource for anyone undecided about their future career path. Often they know which subject they would like to study but not where it can lead to afterwards. The database gives examples of previous graduates from the university, and students can filter by different sectors.

### **University Subject Tasters**

Also at the *University of Sheffield*, are a huge number of subject taster lectures taking place online which can be accessed and used as subject study research - although not necessarily at Sheffield. Register your interest and keep an eye on the **webpage** for updates.

Regardless of whether you want to attend Sheffield University, [Sheffield Live](#) is a great resource for information on university.

### **UCAS Subject Guides**

[Click here](#) for information on subject study at university. Read the threads too on *The Student Room*. [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](#)

### **A-Z List of University Courses**

From *British Uni*, here's a list of university courses, [click here](#)

### **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](#)

### **Choosing The Right University/Course**

Click the link for tips/advice [here](#)

### **Imperial College – For Parents/Carers**

There are some generic pages on Imperial's website which will support parents/carers – regardless of which university students are applying for. [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](#)

### **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](#)

### **UniTasterDays - 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/> The latest bogs features an [introduction to university widening participation and fair access](#).

## **Work Experience**

***It's vital students sign up to Uptree & Speakers for Schools who have lots of face to face and virtual opportunities – check with your Head of Year before attending any sessions that fall on a school day***

### **Years 10-13 Cambridge Consultants**

Part of *Capgemini Invent*, *Cambridge Consultants* is one of the world's leading product development and technology consultancy firms. Each year for one week in August, they welcome a collection of passionate students from years 10 – 13 to their Cambridge office to gain hands on experience. If you're interested in the day to day life of a corporate role, or a curious STEM student who wants to help develop a piece of tech [Click here](#)

### **Years 11-12 February Pathways Work Experience – CISCO Business & IT**

**Three options now open:** For students who live close enough to travel to West London or Manchester there is an option of a hybrid week with the Monday and Friday in the office at Bedfont Lakes, Feltham or Didsbury, Manchester. The third option is fully virtual option. This programme runs 12-16 February 2024 and is a weeklong programme with the aim of showing students the range of jobs within a global IT company.

The programme doesn't require students to choose between technical or business as in addition to the mandatory parts of the programme they will be allowed to select the sessions that are of interest to them. You can find more information and apply on the [Cisco website](#) - click on apply now or apply using the links below.

Please note, the deadline for the applications is **Thursday 04 January**.

#### **How to apply:**

Apply for hybrid programme: Hybrid in Bedfont Lakes, West London office or Didsbury near Manchester office (2 days in office & 3 days virtual)

Apply for virtual programme - Fully Virtual – will close once full so apply early.

***You will need a device, preferably with a camera, to join the virtual meetings. A laptop is best, with a tablet and then a phone in the order of how to get the best experience.***

### **Uptree**

Various masterclasses, info events and work experience days now available to book.

[Lots to browse here](#)

### **Years 10-13 Speakers For Schools**

Sign up for Work Experience – various opportunities at various times. [Latest info is here](#)

***Students must seek permission from Head of Year before attending on a school day.***

## **Careers**

### **\*\*\* TOMORROW \*\*\* Careers In The Film Industry – Thursday 14<sup>th</sup> December 4.30pm**

If you want to find out more about working in the film industry and in particular, as a Film Director, tune in to the next HOP webinar on 14<sup>th</sup> December. [Registration link here.](#)

### **Open Doors – Get Into Construction**

*Open Doors* takes visitors behind the scenes to showcase the fantastic range of careers available in construction. The event, which is delivered by **Build UK**, will return from **Monday 18 – Saturday 23 March 2024** with over 200 tour locations and experiences registering now to take part across Great Britain. The construction sites participating will range from houses to skyscrapers, and visitor opportunities will also include a wide range of virtual and online events, whilst manufacturing and training facilities will open their doors to demonstrate the off-site roles across the sector. [Click here to find out more](#) and [click here for the careers](#) page

### **Engineering**

*Neon Futures* has lots of good information, case studies and resources for prospective engineers. Here's a video from an engineer at *Dyson* who talks about his career to date with the company. [Click here](#)

There's more good information and resources, including an Early Careers Programme tab at The Institute of Mechanical Engineers (ImechE). [Click here](#)

### **Resources From Business Language Champions**

***Remember to seek permission if planning to attend an event taking place during the school day.***

**Years 8 and 9 - Careers with Languages webinar:** 19th January, 1 hour, VIRTUAL

There are so many options open to language speakers. Find out what some of them might be in this webinar.

[More info](#)

**Years 9 to 11 - The Challenge of China:** 17th January, 9am - 12pm, VIRTUAL

For years 9 to 11. A business challenge that highlights the global importance of China. *Aimed at students who have been learning or can speak Mandarin Chinese for about 2 – 3 years.*

**Year 9 - Glastonbury Goes Global:** 31st January, 9am - 12pm, VIRTUAL

For year 9. An exciting event where students will be asked to complete a series of tasks relating to organising a music festival.

**Years 9-11 - Careers with Languages webinar:** 2nd February, 1 hour, VIRTUAL

There are so many options open to language speakers. Find out what some of them might be in this webinar.

**Years 10-11 - European Challenge:** 9th February, 9am - 12pm, VIRTUAL

Get to grips with marketing in another language!

**Languages - On Doctor's Orders:** 23rd February, 9am - 12pm, VIRTUAL

For years 10 to 11. Students will plan a public awareness campaign on one of the World Health Organisation's major themes.

**Years 12 and 13 - Scoop!:** 26th February, full day, Reading

Be a journalist as you juggle deadlines in a busy 'newsroom'.

**Operation Language:** 14th March, 9am - 12pm, VIRTUAL

Students will work on a world health challenge based on the World Health Organisation's themes.

[More info](#)

## **VIEW THE FULL EVENTS LIST AND REGISTER PLACES**

### **The Law Portal**

For aspiring solicitors or barristers, *The Law Portal* is a vital resource. [Click here](#)

### **News From Law Careers Net (LCN)**

#### **Meet the Lawyer - KATE MCLEAN – WARD HADAWAY**

*“Nobody expects the final product on day one, or for you to be infallible. It’s just important to take ownership and responsibility for your actions – for example, doing your best, admitting when you’re not sure what you’re doing and helping others.”*

#### **Solicitors' practice areas - CORPORATE TAX – CLIFFORD CHANCE - Nick Humphries**

*“One of the main advantages of being an associate is that you’ll be on the transaction right from the start and see it through to the end.”*

#### **LCN Says - THE 15 PODCASTS ALL LAW STUDENTS SHOULD LISTEN TO - Olivia Partridge**

[Here are the 15 podcasts](#) we think all aspiring lawyers should listen to

#### **Solicitors' practice areas HOUSING/LANDLORD & TENANT – TROWERS & HAMLINS LLP - Yetunde Dania**

*“My work relates to the tenant and landlord relationship, whether that’s bringing possession proceedings because someone’s breached their terms and conditions of tenancy, or applying for an injunction because of antisocial behaviour.”*

#### **Meet the Lawyer - RAVI PATTANI – REED SMITH**

*“I’m quite sector agnostic in the deals I work on, so can be working on transactions in various industries, including media, real estate, energy and natural resources, and financial services.”*

#### **LCN Says - HOW ASPIRING LAWYERS CAN SUCCEED WITH NO LEGAL WORK EXPERIENCE - Ellie Nicholl**

If you’re still firing off applications with no luck, read this guide, which offers clarity on what you should be including in your applications if you’re short on practical legal experience.

### **Meet the Barrister - BLACKSTONE CHAMBERS - Antonia Eklund**

*"I came to the Bar relatively late, after several years of non-legal work experience and having studied a master's degree that wasn't in law."*

### **Features - Law course fees: a guide for students**

Here's a guide to the loans and scholarships available for law degrees, as well as the Postgraduate Diploma in Law, Legal Practice Course, SQE and Bar courses.

### **Meet the Barrister-CORAM CHAMBERS - Srishti Suresh**

*"Both my favourite and my least favourite part is how unpredictable it can be, I love meeting new people, seeing new places and being presented with new challenges every day."*

### **Careers Unwrapped**

Careers Unwrapped is a podcast series where accomplished industry leaders share their career stories, advice and reflections to inform and inspire young people.

### **Education In Chemistry**

*I'm A Scientist* is a student-led activity that connects students with a diverse range of scientists from different specialisms and backgrounds. Students get to read profiles of scientists working in different careers. [Click here](#)

### **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*.

### **Year 8-13 Find Your Potential – Career Sense**

*The Find Your Potential* resources from Nat West's Career Sense, support 13-18 year-olds to discover their strengths and skills for the future world of work. Students will receive personalised information on future careers they may want to pursue, based on their strengths and what they enjoy. The resources help students develop self-awareness and confidently start to think about career next steps. **Register now to download the resources.** [Click here](#)

### **All Years - Careers Fairs**

From *UK Careers Fairs*, here's a list of Careers Fairs taking place in many major cities in England. [Click here](#)

### **All Years - Careers Advice – Bullet Points**

Also from *UK Careers Fairs* are these useful box links. [Click here](#)

### **Future You Podcast**

Listen to *Prospects' Future You* podcast for inspiring insight's from employers, careers, advisers, students and graduates. [Click here](#)

### **Careers Websites**

When free, do take a look over the *All About Careers* website as there's lots of information to digest regarding careers, [click here](#)

### **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](#)

### **Begin! - Careers Guide**

*University of Nottingham* has just launched a new careers guide called *Begin!* Whilst this is targeted at university students, it may also be relevant for sixth form students. Wherever students are with their career journey, this is the place where they can begin. [Click here](#)

### **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.

**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 their library [here](#).

## UPCOMING TALKS

DATE	SPEAKER	INFO
Wednesday 13 <sup>th</sup> December  10-10:45am	<b>The Future of Architects: Maria Faraone, Director of the RIBA Studio, Royal Institution of British Architects</b>  KS3-5/S1-6	Maria Faraone's journey in the world of architecture is a testament to passion, dedication, and a relentless pursuit of excellence. Join her talk as she unveils the innovations, sustainability, and collaborative approaches shaping tomorrow's architects. Don't miss this chance to gain information on what this career looks like to help you figure out if being an architect is for you! Click <a href="#">here</a> to register
Thursday 14 <sup>th</sup> December  2-2:45pm	<b>'The Science is Just So Ridiculously Good.'</b> <b>Professor Lloyd Peck, Polar Marine Biologist</b>  KS3-5/S1-6	Dive into the extraordinary world of Polar Marine Biology with Prof. Lloyd Peck! Join his captivating talk, 'The Science is Just So Ridiculously Good.' Explore the wonders of icy ecosystems, cutting-edge research, and the thrill of discovery. Don't miss this chance to have a peek at the science and hear about marine biology as a career! Click <a href="#">here</a> to register
Thursday 11 <sup>th</sup> January  2-2:45pm	<b>Working As A GP Registrar And Sustainability In NHS: Dr Veena Aggarwal, RCGP National Sustainability Group - Vice Chair</b>  KS4-5/S4-6	Discover Dr. Veena Aggarwal's journey as a GP Registrar and her dedication to lessening the NHS' environmental impact. Her passion sparked in 2020 during her time in New Zealand, witnessing the Australian bushfires. Veena has worked with the National Greener NHS team and dedicates time to educating fellow GP trainees, contributing to the Greener Practice network, promoting sustainable primary care. Explore how she combines her role with a passion for a green, more sustainable healthcare future. Click <a href="#">here</a> to register
Monday 15 <sup>th</sup> January  10-10:45am	<b>The Manufacturing Process of Beauty Products and their Ingredients: In Partnership With Indu</b>  KS3-5/S1-6	Explore the alchemy behind beauty! Join us for an exclusive online event in partnership with Indu with Gaia Carminati, Head Of Product Development & Packaging. Uncover the secrets of skincare and cosmetics in this insightful journey from formulation to production. Elevate your understanding of the art and science of beauty in just one click! #BeautyManufacturing #SkincareSecrets Click <a href="#">here</a> to register
Tuesday 16 <sup>th</sup> January  2-2:45pm	<b>What Skills You Need For Journalism, Sarah Gordon, CEO, Impact Investing Institute, Non Exec Director, Social Finance &amp; Former Business Editor, The Financial Times</b> KS3-5/S1-6	Details TBC Click <a href="#">here</a> to register

## Resources

***Sixth Form students will receive more guidance & information on UCAS & apprenticeships in Mrs Price's Post-18 Bulletin next month  
There will also be more detailed information for prospective Oxbridge, Medics, Dentists & Vet candidates***

### Year 8-13 Prospective Medics – The Anatomy Club

The *Anatomy Club* is a 3-month after-school programme covering all 12 organ systems. The sessions run for 2 hours weekly, every Tuesday evening, led by two practising doctors. They cover the body systems in a fun and interactive manner by dissecting our virtual anatomy model. Also covered are diseases affecting the organ system and they try to solve anonymised real-life patient cases together.

The sessions are aimed at any students interested in Science and Healthcare who want to learn something outside of the school curriculum. The course suits all students aged 13 and above. Certificates will be provided for participation.

Below are some further details:

**DoctorsLive - Virtual Anatomy Club Weekly (February 2024 to April 2024) - Live Every Tuesday 6pm-8pm**

1. Learn about the fascinating workings of the human body from the comfort of your home
2. Cover all 12 organ systems
3. Solve real-life patient cases, including history taking and anonymised scans
4. Live virtual operations - showing step by step how common surgeries are carried out
5. A chance for students to interact with practising surgeons and doctors
6. Each live session is recorded and can be accessed anytime

**The entire three-month program, including handouts, recordings and certificates, is priced at £59 per student.** For more information and to enrol, please visit the link: <https://doctorslive.co.uk/anatomyclub/>

**News/Resources From The Institute of Mathematics**

**Maths in your Career**

**Interview with Dr Jackie Bell – Aspiring Astronaut and Senior Teaching Fellow**

Jackie is a mathematician with a dream to become an astronaut - read about her [fascinating story here](#).

**Career Profiles**

Don't forget to also check out the [career profile section](#) of the MathsCareers website. Here you will find hundreds of examples of people who have gone on to work in a huge range of different sectors.

**The Sound of Mathematics**



Explore how sounds are made, and what kinds of sounds fit harmoniously together in this new article by Professor Sarah Hart.

<https://www.mathscareers.org.uk/the-sound-of-mathematics/>

(Professor Hart is Gresham Professor of Geometry and Professor of Mathematics at Birkbeck, University of London.)

**Dividing by Zero**

Ever wondered about dividing by zero? Great video from Teacher and YouTuber Eddie Woo. [Click here](#)

**The Simplest Maths Problem No One Can Solve - Collatz Conjecture**

This is a problem which is easy enough to explain to someone at Primary School, and yet it still baffles the world's top research mathematicians. An incredible video with nearly 40 million views. [Click here](#)

**The Salters' Institute – Chemistry Resources**

Make your own delicious oat milk and discover how scientists are looking for ways to reduce greenhouse gases. By making simple changes to our lives, we can make a big difference to the world we live in and look after.

Don't forget to check out our range of free resources that bring to life the incredible world of chemistry and related sciences. [Click here](#)

**Salters Chemistry Club** - join Chemistry Club this December to explore the chemistry in history. It's all about preservation, from archives to mummification to statues. [Learn how to join here](#).

**Years 11-12 Chemistry Changemakers Award** - The Salters' Institute encourages **students aged 16-17** to think on how chemistry can change our world for the better by creating a poster that identifies and tackles a societal issue within their community from one of the following themes:

- Travel and Transport
- Homes and Habitats
- Health and Lifestyle

**The deadline to apply is 5 January 2024.** [Click here](#)



## Year 13 EDT Year In Industry Placement Scheme

What is YINI? *EDT's, The Year in Industry (YINI)* Placement scheme, helps place school-leaving students into paid 12-month long placements into all areas of engineering, science (particularly physics), technology/electronics, maths, business, marketing and finance across the UK.

### How does the application process work?

Students register their interest via the website [here](#) and receive a weekly update of the latest placement opportunities.

### There is no charge for students to register.

Students will apply for the specific roles that they're interested in.

Students will receive CV/Interview advice and an interview with the team to help them prepare.

### Benefits for placed YINI students:

Industry led training which will include webinars on project management, presentations skills, leadership, and management to name a few.

A mentor service throughout the placement.

Competitions and awards to help promote and enhance the student's CV.

Their work can also be accredited by the [Industrial Cadets](#) Platinum Award, of which His Majesty King Charles III is patron.

### To Register for YINI:

Interested students can register via the website (same link as before) [here](#)

If you have any questions, please do not hesitate to contact our friendly team at [studentrecruitment@etrust.org.uk](mailto:studentrecruitment@etrust.org.uk)

## Outreach From Balliol College, Oxford

### Balliol College Insight Talks

Balliol will be running a series of online talks in spring 2024. These are aimed at post 16 students with an interest in science. Each talk will be given by an Oxford University post-graduate student, giving the audience an insight into their particular research specialis

**Who is it for?** Year 12 students who are studying science A Levels or other science qualifications. Passionate, motivated KS4 pupils looking to challenge themselves academically may also find these talks interesting.

**All of our Insight Talks will be held online, between 16:30 and 17:30. Our talks on offer in 2024 are:**

**Monday 8 January** Insight Into: Psychology and the Executive Functions of the Brain

**Wednesday 10 January** Insight Into: Animal sleep and Hibernation

**Wednesday 17 January** Insight Into: Gerontology — Studying Aging and Older Adults, What is it all about and why does it Matter?

**Monday 22 January** Insight Into: Animal Mimicry

**Tuesday 23rd January** Insight Into: Gender Bias in Science and Medicine

**Wednesday 24 January** Insight Into: Obesity — Causes and Treatment

**Monday 29 January** Insight Into: Flow Cytometry — Applications in Healthcare and Other Fields

**Wednesday 31 January** Insight Into: Infectious Diseases — Causes and Treatment

**Wednesday 7 February** Insight Into: the Neuroscience of Food and the Sensory Experience

**Wednesday 14 February** Insight Into: Traumatic Brain Injury — Causes and Treatment

**Thursday 14 March** Insight Into: Imaging Analysis in Neuroscience

**How do I sign up to attend an Insight Talk?**

To sign up for one or more of these talks, [please complete this form](#).

### Subject Specific Events and Support:

#### Biology

Who	What	When	Booking Information
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	<b>Insight Into: Animal sleep and Hibernation</b>	<b>Wednesday 10 January</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Animal Mimicry</b>	<b>Monday 22 January</b>	See Insight Talks at the top of this Bulletin
<b>Computer Science</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
<i>Students interested in Computer Science</i>	<a href="#">Computer Science Department outreach events</a>	Updated regularly	<a href="#">Computer Science Department outreach events</a>
<i>Y11 students (Scottish S5 or NI Y12) of Black and mixed heritage who self-identify as female or non-binary, from state- funded schools in the UK</i>	<b>Discover Computer Science</b> (formerly known as ReadySetCode)	January – March 2024	<a href="#">Further information and applications</a>
<b>Chemistry</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
<i>Age 16-17 (year 12), Age 17-18 (year 13)</i>	Live online lecture -Schools Christmas Chemistry Conference - A Quantum Christmas Robin	12 Dec 2023  15:45 - 16:45	<a href="#">Further information and booking</a>
	<b>Insight Into: Flow Cytometry</b>	<b>Monday 29 January</b>	See Insight Talks at the top of this Bulletin
<i>Teams must consist of 3- 5 students who attend the same school. The competition is intended for Year 12 and 13 students but younger students may participate as well.</i>	<b>Chemistry Race 2024</b>	<b>Saturday 10th February 2024</b>	<a href="#">Further information and booking</a>
<i>State school A level (or equivalent) Chemistry students and teachers</i>	Ask a Chemist Q&A series	Now complete, but recordings are available	<a href="#">Further information and videos</a>
<i>Anybody interested in Chemistry</i>	<a href="#">What's On - Oxford Chemistry</a>	<b>Continuous</b>	NA
<i>Royal Society of Chemistry – Women interested in Chemistry</i>	<a href="#">Power Up Challenge - Women in Chemistry</a>	<b>Continuous</b>	<a href="#">More information and booking</a>
<b>Economics</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
<i>A Level Business Studies and Economics students</i>	<a href="#">Online Lecture series What</a>	<b>4<sup>th</sup> March</b>	<a href="#">Further information</a>

	<a href="#">Economists Really Do</a>	6 <sup>th</sup> March 20 <sup>th</sup> May	
Engineering			
Who	What	When	Booking Information
	<b>Insight Into: Flow Cytometry</b>	<b>Monday 29 January</b>	See Insight Talks at the top of this Bulletin
<i>Uncover for girls</i>	Uncover Engineering: Year 10 Residential Programme	<b>2 to 5 April 2024</b>  <b>Applications are open now until 22 December at 5pm.</b>	<a href="#">Further information and booking</a>
<i>Uncover for Black African and Caribbean heritage Students</i>	Uncover Engineering: Year 10 Residential Programme	<b>9 to 12 April 2024</b>  <b>Applications are open now until 22 December at 5pm.</b>	<a href="#">Further information and booking</a>
English			
Who	What	When	Booking Information
<i>Entrants should be in Year 12 (or equivalent) at their school or college.</i>	<b>Rex Nettleford Prize for Year 12 Students:</b> Essays on Colonialism and its Legacies	Essays must be received by <b>midnight on Friday 15th March 2024.</b>	<a href="#">Further information and Entrance</a>
<i>Teachers interested in starting a book club for their school</i>	<b>10 Minute Book Club</b>	<b>Continuous</b>	<a href="#">Further information</a>
<i>Aimed at anyone over about eleven years old.</i>	<b>Virtual Chaucer: a new project using AI</b>	<b>Continuous</b>	<a href="#">Further information</a>
Geography			
Who	What	When	Booking Information
<i>Year 12 students interested in Geography at University</i>	<b>Oxford University - Geography Department Open Day</b>	<b>Monday 10<sup>th</sup> June</b>	<a href="#">Further information and booking</a>
History			
Who	What	When	Booking Information
<i>Anybody interested in History</i>	<a href="#">Oxford Historia Lectures 2024</a>	<b>Jan 2024</b>	<a href="#">Further information and sign up for live sessions</a>

UK state school students currently studying in Year 12 or equivalent.	History of Art Taster Day	Thursday 15 February 2024, 10:00 – 16:00  Applications close 17:00 on Friday 12 January 2024	<a href="#">Further information and booking</a>
History teachers	Oxford Historian Talks for Schools	Continuously	<a href="#">Find out more</a>
State secondary school, sixth form and FE college pupils in years 12 & 13 from across UK.	Online History Skills Workshops	Various events.	<a href="#">Find out more and sign up to events here</a>
Anybody interested in History	<a href="#">Oxford Historia Lectures 2023</a>	Recordings continuously available	NA
<b>Materials Science</b>			
<i>Who</i>	<i>What</i>	<i>When</i>	<i>Booking Information</i>
Teachers who are interested in developing their teaching of Material Sciences	Materials Science Teacher CPD Workshop & Lecture	12 Jan 2024  13:30 - 17:30	<a href="#">Further information and booking</a>
<b>Maths</b>			
<i>Who</i>	<i>What</i>	<i>When</i>	<i>Booking Information</i>
All female and non-binary students at UK schools.	It All Adds Up 2024 Year 9 Day	8 <sup>th</sup> January 2024	<a href="#">Further information and booking</a>
All female and non-binary students at UK schools.	It All Adds Up 2024 Year 10/11 Day	9 <sup>th</sup> January 2024	<a href="#">Further information and booking</a>
All female and non-binary students at UK schools.	It All Adds Up 2024 Year 12 Day	10 <sup>th</sup> January 2024	<a href="#">Further information and booking</a>
<b>Medicine</b>			
<i>Who</i>	<i>What</i>	<i>When</i>	<i>Booking Information</i>
Pupils aged 16-18 who want to study healthcare-related subjects at university	An Introduction to Evidence-Based Health Care. (Webinar)	Thursday 7 <sup>th</sup> December, 4:30-6:00pm.	<a href="#">Further information and booking</a>
students in years 11 and 12 who are interested in studying medicine at university.	<b>Oxbridge Medicine Admissions Workshop 2023</b>	Saturday 9 <sup>th</sup> December at 10:00 - 14:30.  Deadline to complete form is Thursday 7 <sup>th</sup> December at 20:00.	<a href="#">Further information and booking</a>
	Insight Into: Gerontology —	Wednesday 17 January	See Insight Talks at the top of this Bulletin

	<b>Studying Aging and Older Adults</b>		
	<b>Insight Into: Gender Bias in Science and Medicine</b>	<b>Tuesday 23rd January</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Obesity</b>	<b>Wednesday 24 January</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Flow Cytometry</b>	<b>Monday 29 January</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Infectious Diseases</b>	<b>Wednesday 31 January</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Traumatic Brain</b>	<b>Wednesday 14 February</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Imaging Analysis in Neuroscience</b>	<b>Thursday 14 March</b>	See Insight Talks at the top of this Bulletin
Anybody interested in Medicine at a competitive university	Springboard Video on T cell vaccine immunology	Continuous (recorded videos)	<a href="#">Part 1</a>  <a href="#">Part 2</a>
<b>Modern Languages</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
Different competitions for different age ranges	<b>Oxford German Olympiad 2024</b>	Closing date for all entries is <b>Thursday, 7 March 2024 at 12 noon.</b>	<a href="#">Further information and submission</a>
<b>Music</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
Anybody interested in Music at university	<a href="#">Music Outreach at Oxford</a>	Variou events	NA
<b>Physics</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
<b>Physics teachers</b>	<b>Oxford Physics Talks for Schools</b>	<b>Continuously</b>	<a href="#">Find out more</a>
Aspiring Physicists from <b>year 11 and above</b>	<b>Projects and Mentoring with the Oxford Physics Department</b>	Continuous events	<a href="#">More information</a>
UK students in Year 10 at state (non-fee-paying) schools, studying A levels (or equivalent) in Physics and Materials Science)	<b>Year 10 Materials and Physics Taster Morning</b>	Tuesday 9 <sup>th</sup> January 2024	<a href="#">Further information and booking</a>
	<b>Insight Into: Flow Cytometry</b>	<b>Monday 29 January</b>	See Insight Talks at the top of this Bulletin
<b>Psychology / Neuroscience</b>			
<b>Who</b>	<b>What</b>	<b>When</b>	<b>Booking Information</b>
	<b>Insight Into: Psychology and the Executive</b>	<b>Monday 8 January</b>	See Insight Talks at the top of this Bulletin

	<b>Functions of the Brain</b>		
	<b>Insight Into: the Neuroscience of Food</b>	<b>Wednesday 7 February</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Traumatic Brain Injury</b>	<b>Wednesday 14 February</b>	See Insight Talks at the top of this Bulletin
	<b>Insight Into: Imaging Analysis in Neuroscience</b>	<b>Thursday 14 March</b>	See Insight Talks at the top of this Bulletin

### Sociology

Who	What	When	Booking Information
	<b>Insight Into: Gender Bias in Science and Medicine</b>	<b>Tuesday 23rd January</b>	See Insight Talks at the top of this Bulletin

### Service Children

Teachers with responsibility for supporting pupils in receipt of the **pupil premium** may be interested in using the [Thriving Lives Toolkit](#) which addresses ways to support the children of service personnel. Further support is available through your nearest [hub](#).

**Connected Forces** The project is an opportunity **16-19-year-olds from Armed Forces families** across the UK from to make friends, keep in touch with those who have moved away, and mutually support each other through shared experiences.

[Young people who want to find out more can sign up here:](#)

### Non-course- specific programmes and events [Astrophoria Foundation Year](#)

Oxford's Astrophoria Foundation Year is a one-year foundation programme for UK state school students with significant academic potential, who have experienced severe personal disadvantage and/or disrupted education which has resulted in them being unable to apply directly for an Oxford undergraduate degree programme.

Students will apply for their chosen degree course with a foundation year (for example Materials Science with Foundation Year). During the foundation year they will follow one of the following courses:

- [Foundation Year: Chemistry, Engineering and Materials Science \(CEMS\)](#)
- [Foundation Year: Humanities \(in Classics, English, History, Theology\)](#)
- [Foundation Year: Law](#)
- [Foundation Year: Philosophy, Politics and Economics \(PPE\)](#)

**Applicants to our Astrophoria Foundation Year will submit their UCAS application in the January of the year of entry.**

### Super-Curricular Resources for Students

[Our Springboard videos](#) are designed to introduce students to a range of topics related to A Level and Degree Level study. Each has been designed and produce by our graduate students and each contain activities and suggestions about further resources to explore the subject. Please note we will be adding more videos on a rolling basis. Students need to answer a few short questions to access each video.

[These subject specific super-curricular guides](#) which are available for most A Level and GCSE subjects, contain suggestions for exploring subjects further by watching, reading, listening and doing. Please tell us about any suggestion you have to add to these guides.

[Oxford University Digital Resource Hub](#) – here you can find the best of our digital resources to support learning and exploration. They can help parents and teachers to feed the curiosity of growing minds and inspire them to think broadly.

### Videos from Balliol College

Balliol College has a new [Admissions Video](#), highlighting what our students think about college life and why Balliol may be the perfect choice for Oxford applicants.

[In this video, Balliol tutors talk about undergraduate study](#), sharing insights into how tutorials work as well as the qualities they are looking for in prospective applicants.

[In this video, a third-year medical student gives prospective applicants a tour of Balliol](#), showing the Lodge, Library, Hall, Chapel, Junior Common Room and quads as well as undergraduate accommodation at the Broad Street site and in the new accommodation blocks at the nearby Master's Field site.

### **BBC Archive/iPlayer/Sounds**

Don't forget the vast BBC archive for fantastic background research for exploring subjects in depth. For example, on Radio 4, *The Reith Lectures* have just started (*Our Democratic Future* from Ben Ansell, Professor of Comparative Democratic Institutions at Nuffield College, University of Oxford), *All In The Mind* (psychology) *Inside Science*, *In Our Time* (history), lots of maths programmes - some featuring Simon Singh, *The Infinite Monkey Cage* (physicists) etc etc. Fantastic for EPQs!

### **Introduction To The National Cyber Force – Online Course**

'*Introduction to the National Cyber Force*' is free to complete and will give you an insight into the National Cyber Force, the UK's defence and intelligence ecosystem, and related careers – [click here](#)

### **Outreach from Imperial College, London**

#### **Year 10 STEM Futures Programme 2023/24 - Applications Now Open**

*STEM Futures* is a multi-year programme of activities and support for students of Black heritage who are interested in STEM (science, technology, engineering, mathematics and medicine).

This programme has been developed to support students to discover the wide range of subjects within STEM studies and to help them to get into university.

Students can join the programme in year 10 – and the programme is designed to be relevant at whatever point in their school studies that they start. Find out more at the [STEM Futures webpage](#).

**Applications close TODAY for Year 10 on Wednesday 6 December 2023**, queries email [stemfutures@imperial.ac.uk](mailto:stemfutures@imperial.ac.uk)

#### **Year 12 Levelling Up Programme 2023/24 - Applications Now Open**

Levelling Up supports students with their Chemistry and Physics A-Levels and university applications during Years 12 and 13. You'll take part in a range of online academic tutorials, sessions to support you in your transition to higher education, and additional activities hosted by Imperial and other participating universities and partners.

All tutorials and sessions will take place online throughout the twelve month programme, with an in-person launch event taking place on a Saturday at Imperial's South Kensington Campus.

To find out more, including eligibility criteria and how to apply please visit the Levelling Up webpage.

**Applications close on Thursday 11 January 2024**. Preference will be given to applicants who do not live near London. For any queries please email [levellingup@imperial.ac.uk](mailto:levellingup@imperial.ac.uk).

### **University College London (UCL)**

Various initiatives for Years 7-11 – although check eligibility criteria. [Click here](#) for the *Informed Futures* outreach page.

### **Engineering At Home**

For parents/carers – from *The Smallpiece Trust* – experiments that can be completed at home [Click here](#)

Challenges can also be viewed on YouTube.

### **Arkwright Engineering Scholarships**

Year 11 had an assembly presentation before half-term on the Arkwright Engineering Scholarship. Apart from the cash prize, it's fantastic to put on a CV or any future personal statement whether it's an apprenticeship or university application. Anyone studying a STEM subject at A Level may apply. **Applications are now open and close in January**.

[Click here](#)

### **Uptree Courses**

*Uptree* online courses offer an immersive learning experience that will empower you to excel in your academic and professional endeavours. They have just launched a new [Introduction to the National Cyber Force](#) course plus, check out the courses with [J.P. Morgan](#), [Arm](#) and [ATAC](#). For events, jobs and placements [look here](#)

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

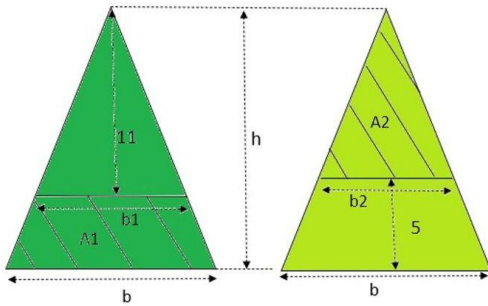
To support parents and carers, our subject experts have put together a selection of activities and materials, which are free for everyone to access. [Click here](#)

## General/Competitions

### Checkatrade – Get In Programme – Competition

Do you know a student who is interested in a career within trades? *Checkatrade's Get In* programme have launched a prize draw for young people aged 16-25 interested in trades who can win custom gaming controllers or a brand new PS5. Find out more about the campaign and how they can enter [here](#).

### From Institute of Mathematics



In these two isosceles triangles the shaded areas are equal (i.e.,  $A1 = A2$ ).

What is the height,  $h$ , of the triangles?

Send your answer to [mathscareers@ima.org.uk](mailto:mathscareers@ima.org.uk) providing your name and school/college/university. You do not need to send in your methods, a final answer is enough. If you win we will ask you for a postal address.

There is no age limit for entry, but you must currently be studying at a UK school/college/university to enter.

### Rotary Young Musician 2023

This competition is for young performers and takes place on Saturday 20 April at Bishop's Stortford College. There's a Junior, Intermediate and Senior Class for brass, woodwind, strings (including guitar), piano and vocal.

Deadline for entries is 9<sup>th</sup> March. For more information, please contact the organiser: [margaretwebb01@gmail.com](mailto:margaretwebb01@gmail.com)

See posters around school.

### BAFTA Young Game Designers

The *BAFTA Young Game Designers Competition* is open again for entries.

Enter for a chance to win a BAFTA YGD Award, along with once-in-a-lifetime experiences with top game makers and industry professionals. If you're 10-18 years old, BAFTA's Young Game Designers opens a world of creative opportunities and supports you on your journey into making great games. *Deadline: Monday 4 March 2024*

[Click here](#)

**Claire Jonas,**  
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