

Careers Information & Opportunities



Dear Parents, Carers & Students
Please find below the first Careers News of the academic year
If you have any comments or suggestions regarding the
bulletin or careers in general, feel free to email
Students can access this bulletin - and all previous issues –
via the shared student pool file; 'Q' drive, 'Other' then 'Careers'

Special Announcements

Year 10 Standards Evening – 28th September 7pm

Please note, Year 10 students plus an accompanying parent/carer are invited to attend the Year 10 Standards Evening during which, the administrative processes regarding the **work experience programme** will be explained. Students will receive a letter next week.

Year 11 & 13 Leavers – Job Opportunities

Innovate @ Sa – GCSE/A Level Leaver

Innovate @ Sa are specialists in developing innovative drywall interior solutions. They are currently recruiting production operators to work in the assembly and processing department, located in a state-of-the-art production facility in Elsenham. Experience working in a technical or manufacturing setting is advantageous but not essential. Please see me for information.

Sustainability Apprenticeship - GCSE/A Level Leaver

VolkersWessell UK are a local engineering company who are looking to recruit a Sustainability Apprenticeship. Based in Hoddesdon, this opportunity is available to GCSE school leavers. For more information, [click here](#) . See the website for company information here www.VolkerWessels.co.uk

IT Apprentices – A Level Leaver

If you are aware of anyone seeking an IT Apprenticeship, local company *Dotmatics* are looking to recruit two IT Apprentices to start as soon as possible. See link for more information:

<https://www.findapprenticeship.service.gov.uk/apprenticeship/-650679>

Year 11 - Arkwright Scholarships

Do you have a strong desire to work in the engineering profession? Are you intending to stay at school? Are you hoping to study A Level Maths, Physics or Computer Science? Then you may be interested in learning more about an *Arkwright Scholarship*. Through the *Arkwright Engineering Scholarships Programme* and after a rigorous selection process, high-calibre Year 11 students can apply for an engineering scholarship that supports them both financially and academically through their A Levels. For more information, [please click here](#) or see a member of the DT Department.

Well-Being/Motivation

Supporting Young People In Hertfordshire

Please find some information below from the *Services to Young People* department at Herts CC. If your son/daughter is interested in a referral, please let school know:

Access Points are fully open for in-person and virtual booked appointments where young people can receive support on a range of needs including Careers Guidance, Sexual Health Services and support in accessing our projects. As usual I have highlighted some services and projects below which may be of particular interest to you, and full details of all our projects can be found on the attached infographics or by visiting our [website](#).

Looking ahead and planning for the future

In addition to our usual Careers Education, Information, Advice and Guidance, delivered in schools and through our [Access Points](#), we are providing more intensive support for young people who are currently not in education, employment or training (NEET). Our [Pathways to Success](#) programme delivers individual tailored support alongside a range of interactive workshops, which equips young people with the skills to develop their CVs and hone their interview skills. In doing so, the programme supports young people with identifying their future options, raising their aspirations and enhancing their employability. [Contact us](#) if you know of a young person who would benefit from this extra support.

Supporting young people's mental health and emotional wellbeing

*Young people who are experiencing low mood may benefit from our **Emotional Wellbeing Project** which focuses on the Five Ways to Wellbeing, a framework for young people to explore how simple lifestyle changes can improve their emotional wellbeing. Similarly, the **Supporting You Project** supports young people who are struggling with feelings of worry or anxiety. Delivered within a supportive group work setting, young people learn how to apply a range of CBT techniques to their everyday lives, increasing confidence, self-esteem and developing their resilience to support their long-term wellbeing.*

Supporting young people with mild to moderate learning difficulties

Our projects for young people with mild to moderate learning disabilities enable young people to access a safe space, participate in activities, workshops and interact with others, developing their communication, teamwork and interpersonal skills, as well as having a focus on developing skills to support independent living.

The Duke of Edinburgh's Award (DofE)

DofE is a real adventure from beginning to end. It doesn't matter who you are or where you are from, you just need to be ready to jump into the best time of your life! SfYP support schools across Hertfordshire in delivering the Award but we are increasingly aware that not all young people can access the award through their schools as places can be limited and for some school's they are not in the position to offer this opportunity. Therefore, from September young people are welcome to access the Award at one of our Young People's Centres and we would be happy to hear from you if you know of a young person who would value this opportunity.

Healthy Minds

Sign up for information and programmes via the website, you can even access online meditation sessions. [Click here](#)

BBC Sleepscapes

Windy mountains, rain, white noise, whale song, pink noise... drift off to sleep to calming sounds brought to you by the BBC's *Soundscapes For Wellbeing*. [Click here](#) for the *BBC Sounds* link.

BBC Sounds – Unusual Times

This programme explores how the pandemic has affected young people's wellbeing and what we can do to help. [Click here](#) Other programmes that may be of interest are [listed here](#)

BBC Tricky

Four people. One topic. No filter. Tricky is a safe space where important conversations happen with no fear of cancellation - nothing is off limits and no one goes unheard. [Click here](#) for episodes via *BBC Sounds*.

Years 8-13 Youth Connexions Free Services

Please find below the link to a selection of free services held in Bishops Stortford to help and support young people. There are a number of different sessions to choose, from LGBT to emotional wellbeing. [Click here](#) to see full range of services.

Apprenticeship Information

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 selection of opportunities:

Kick Start Apprenticeships

If young people are claiming *Universal Credit*, then they can access the *Kickstart Apprenticeship* schemes that are exclusive to *Kickstart*. Here's some more information on the scheme:

<https://jobhelp.campaign.gov.uk/kickstart/> Eligibility information and how to claim *Universal Credit* is here: <https://www.gov.uk/universal-credit/eligibility>

Years 12-13 Stansted Airport College – Apprenticeship Open Evening

The College are hosting an information, advice & guidance evening in the format of a masterclass in Engineering and Events Management. It's a chance for any year 12's and 13's to meet the new intake of apprentices in and around the airport, ask them questions about their journey and success, and what will be expected of them over the duration of their apprenticeship. They will provide top-tips and insight into everything from applying for the apprenticeship, through the selection and interview process, to their induction and first day in the workplace. Places secured through *Eventbrite*.

Engineering

<https://www.eventbrite.co.uk/e/engineering-masterclass-for-yr12-13-stansted-airport-college-tickets-170436044798>

Events Management

<https://www.eventbrite.co.uk/e/events-management-masterclass-for-yr12-13-stansted-airport-college-tickets-170437499148>

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](#). All apprenticeship levels explained in *Rapid Resources*, [click here](#)

Apprenticeships Are Amazing

Discover the amazing world of apprenticeships through this brand-new short film, which is a high-impact way to showcase the breadth and variety of apprenticeships. [Click here](#)

National Apprenticeship Show

This virtual event highlights Apprenticeship opportunities and offers information from southern England's top employers and training providers. It takes place on 10th November 2021, 11am-6pm. [Register for free](#)

Howdens – Recruiting Now

Howdens are the UK's largest kitchen supplier and joinery business. They have a number of opportunities to join as an apprentice. [Click here](#)

Pret – Now Recruiting

For an opportunity to train as an apprentice in the hospitality industry, [please click here](#) for information.

Opportunities with PwC

In 155 countries and with 284,000 employees, *PwC* is a global network of firms delivering assurance, tax and consulting services for businesses. There are many apprenticeships now open - with a closing date of January 2022. [Click here](#)

Apprenticeships Listed With Uptree

For a comprehensive list of opportunities available on the *Uptree* website, [please click here](#).

Parent Packs - Amazing Apprenticeships

Whilst we wait for the September edition, past editions of *Amazing Apprenticeships' Parent Packs* can be [accessed here](#)

Opportunities Available via Career Map

Coca-Cola, Nandos, Starbucks, Saint Gobain, Softcat, HP, and Volvo have all recently opened up their recruitment window. [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

Capel Manor College

Capel Manor are holding some events that may be of interest to students:

Advice Evening 28th September 2021, 5pm to 7.30pm

Open Day 9 October 2021, 10am to 3pm

Advice Evening 3 November 2021, 5pm to 7.30pm

Please [click here](#) to register

Long Road College - Open Evenings

Long Road have two open evenings for Year 11; Tuesday 21st & Wednesday 22nd September 2021. To ensure that the event is safe they require all attendees to register for tickets which are available on a first-come-first-served basis. Due to the restriction on numbers, Year 10 students are encouraged to

wait and visit at the Summer Open Evenings in 2022. Please book tickets via the website:
<https://www.longroad.ac.uk/prospective-students/open-evenings/>

Cambridge Regional College

The Autumn term open days/tours are being planned as in person events, bookings are open now.
Cambridge Campus:

[13th October 16-30 till 19-00](#)

[20th November 9-30 till 12-30](#)

Huntingdon Campus: [16th September 17-00 till 19-00](#)

[27th November 9-30 till 12-30](#)

Year 11 students can get an in depth experience of one subject area at CRC at the year 11 Taster Day on Saturday the 9th October. This is the replacement event for the cancelled year 10 Taster. Students can make booking directly using this link [Year 11 Taster](#) - places will be allocated on a first come first serve basis.

Students wishing to join CRC starting September 2022, can apply via [mychoice16](#) (please ensure you select 2022-2023 to see the new course offer) from 1st October and via the CRC website from 14th September.

UK Higher Education Expo

This virtual event highlights Higher Education opportunities and offers information from Universities across the UK. It takes place on 24th November 2021, 11am - 6pm. [Register for free](#)

Meet the Russell Group Virtual Event

In association with UK University Search, the Russell Group is hosting it's virtual 'Meet the Russell Group' event on Wednesday 29 September, 12-7pm. It presents an opportunity for students, parents and teachers to explore the 24 Russell Group Universities on one centralised platform. Chat to current students, talk to academic representatives, and explore online content from prospectuses to campus tours. Sign up for the event [here](#).

In the lead up to this event, there's also a series of '[warm up' webinars](#), covering the topics of 'Applying to a Russell Group University', 'Why Choose a Russell Group University', and 'Student Life.' All webinars will include a short Q&A session. They will also be recorded and uploaded to the [UK University Search Youtube channel](#) so can be viewed on-demand.

Years 11-13 | Wonder Wednesdays

I Wonder Wednesdays is a weekly virtual taster session in a range of subjects to help students learn more about studying their subjects of interest at university. [Click here](#)

University of Plymouth Hub

There are some terrific resources for students on the free-to-view University of Plymouth hub; a sort of one-stop shop where the UCAS process is explained plus much, much more. [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](#)

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](#) and [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, there's some information on open days [here](#)

Uni Taster Days - University Event Directory

Uni Taster Days 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.

Uni Taster Tuesday Weekly Webinars

The impartial university guidance webinars have seen over 4,000 registrations to date and have featured 100 university practitioners. They provide an opportunity for students to find out more about key university guidance topics and studying different university subjects. Students can browse all the recordings from events so far at www.unitasterdays.com/tuesdays

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](#)

Work Experience

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

Years 11-13 GSK Virtual Work Experience – Open For Applications

Registration is now open for the 2021 virtual work experience programme which takes place 26th-29th October.

What does this involve?

GSK's Virtual Work Experience will provide GCSE/A-level students with the opportunity to:

Learn about how GSK takes products from molecule to market

Learn about different career opportunities in Science, Technology, Engineering and Maths

Gain job application hints and tips

Gain an industry-accredited Bronze Industrial Cadets Award

When?

This event will take place online from Tuesday 26 October to Friday 29 October 2021. Students will need to complete 20 virtual hours between these dates.

Before signing up, please ensure that you are available for the provided dates above as there will be some live sessions, ***please seek permission from Head of Year.***

How to apply:

Please find the link to the student sign-up survey: [GSK Virtual Work Experience 2021 Sign-Up](#)

Closing date 24th September.

Explore all Free Virtual Experience Programs - Forage

After a quick enrolment, see plenty of opportunities to undertake work experience (Forage appears to be popping up quite frequently on LinkedIn feeds so a well-known and well-regarded offering).

[Click here](#)

Years 9-13 Live Virtual NHS Healthcare Careers Work Experience Programme

Students can select from just one day or 6 months on this live, virtual work experience programme, [click here](#) for various dates (**£10 charge p/day plus 'bundle' charge**)

Years 9-13 NHS E-Placements

The NHS Talent Academy have now launched bespoke virtual e-placements covering various career opportunities within health and care. The e-Placement will provide students with an insight into their chosen careers through a series of videos, tutorials, quizzes and virtual tours. It will also help students to develop a greater understanding of knowledge, skills and behaviours required for their chosen profession. Some of the E-placements now available are: [Dietetics - an introduction](#) [Nursing - an introduction](#) [Occupational Therapy - an introduction](#) [Physiotherapy - an introduction](#)
The full list of placements is [here](#)

Years 9-13 (check eligibility)

Please find below details of virtual work experience from *Speakers for Schools*

If interested, please register asap

Remember to ask for permission to attend if anything you are interested in should fall on a school day

Morgan Sindall - Construction

Dates: 4th and 22nd October 2021

Eligibility: 14- 18 year olds.

Application Deadlines: 17th September and 1st October

<http://www.s4snextgen.org/Opportunities/View/id/2074>

<http://www.s4snextgen.org/Opportunities/View/id/2030>

British Army

Dates: 20th, 21st and 22nd October 2021

Eligibility: 14 – 19 year olds.

Application Deadlines: 23rd September – 1st October 2021

<http://www.s4snextgen.org/Opportunities/View/id/2062>

<http://www.s4snextgen.org/Opportunities/View/id/2063>

<http://www.s4snextgen.org/Opportunities/View/id/2064>

DSTL

Date: 19th October 2021

Eligibility: 14 – 18 year olds.

Application Deadline: 24th September 2021

<http://www.s4snextgen.org/Opportunities/View/id/1982>

GE

Date: 13th October 2021

Eligibility: 14 – 19 year olds.

Application Deadline: 24th September 2021

<http://www.s4snextgen.org/Opportunities/View/id/2052>

PwC UK

Date: 13th October 2021

Eligibility: 16 -18 year olds.

Application Deadline: 24th September 2021

<http://www.s4snextgen.org/Opportunities/View/id/2033>

Kainos

Dates: 5th, 12th and 19th October 2021

Eligibility: 14 -17 year olds.

Application Deadlines: 30th September – 9th October 2021
<http://www.s4snextgen.org/Opportunities/View/id/2032>
<http://www.s4snextgen.org/Opportunities/View/id/2031>
<http://www.s4snextgen.org/Opportunities/View/id/2029>

Thames Water

Date: 15th October 2021
Eligibility: 14 -19 year olds. Application Deadline: 22nd September 2021
<http://www.s4snextgen.org/Opportunities/View/id/1942>

ReedSmith

Date: 28th October 2021
Eligibility: 14 -19 year olds. Application Deadline: 17th September 2021
<http://www.s4snextgen.org/Opportunities/View/id/2065>

For a full list of Speakers for Schools placements - [sign in here to search and apply](#)

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'.

Virtual Work Experience – Uptree

There are many opportunities listed with top employers on the *Uptree* website. Sign up for a full list of placements and opportunities. [Click here](#) In the meantime, here are two opportunities

Technology Work Experience Day With ARM (Online)

Thursday 7 October
09am-5:00pm
Students will: learn about the world of technology, as they network with arm employees and take part in an industry activity
[Students can register through their Uptree profile here.](#)

PwC Flying Start Insight Day

Tuesday 12 October
10am-12:30pm
Students will: learn about finance, business management and technology, while meeting ambassadors from the Flying start programme
[Students can register through their Uptree profile here.](#)
Remember to ask for permission to attend

Careers

Check out the TBSHS careers website where you'll find careers links, quizzes & on-line research tools [Click here](#)

A Day In The Life ...

... of a BBC broadcast technician. This short film, presented by an apprentice, gives you a flavour of the role <https://mobile.twitter.com/ktsaoirsebryson/status/1412678378113622018?s=24>
Apprenticeships will soon be available across a wide range of roles at the BBC, keep an eye on the careers pages, [click here](#)

InvestIN

InvestIN have launched their new autumn term career experience programmes and are open for bookings. The programmes are for students aged 12-18 and offer live, interactive and hands-on sessions with top professionals. Students can choose from 28 careers and attend either in-person across five UK cities or live online. See the link for information on the sessions which include Young Doctor, Engineer, Lawyer, Investment Banker, Software Engineer and Psychologist programmes.

[Click here](#) **Please note, there is a charge.**

Careers in Hacking - Saturday 25th Sep 2021

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. This online workshop is taught by James Pavur, a researcher in cyber-security at Oxford University. 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.

[Click here](#) **Please note, there is a charge**

Virtual Careers Fair: Skills Expo London

This London specific event provides the perfect platform for your students to find information on Apprenticeships, Traineeships, and Internships, alongside routes into Further and Higher Education.

Date: 3rd November 2021, 11am - 6pm. [Click here to register](#)

Careers & Enterprise – Careers Presentation

All past & previous webinars are available to watch on demand; Working in the Electrical Industry, How to be an Entrepreneur, Royal Marines, fashion, Author/Songwriter, working as a Business Apprenticeship, careers in Psychology, Physiotherapy, Engineering, Life Sciences/Pharmaceuticals etc <https://www.hopinto.co.uk/explore-careers/webinars/virtual-employer-encounters/>

Free – The Employability Guide

Employability refers to having the qualities suitable for paid work. Although, it goes beyond this, it's ultimately about being equipped with the skills and resources to enter a rewarding and fulfilling career. This brand-new Employability Guide is to help you equip you with the skills and knowledge you need to enter the job market with confidence. [Click here](#)

PWC: Let's Chat Careers Advice Podcast

PWC have launched a brand new podcast series discussing workplace related topics and career top tips. [Read More](#)

Make It Click – Free Careers Resources

Make it Click is an online directory of advice, courses, tools and templates to help people. There's advice on applying for jobs, searching, promoting yourself online, CV writing and interviews, developing office skills including working remotely plus how to set up in business [Click here](#)

New Parent Podcast Launching

Amazing Apprenticeships and *Not Going To Uni* will launch a podcast in the summer to tackle the challenges parents and carers are currently facing in supporting their children with career advice and guidance. Find out [more](#).

Careersbox Career Films

Careersbox is an on-line site with a variety of films about all sorts of careers that you may or may not have thought about – how about using Chemistry to be a flavourist for a top perfume house? There are also films about Sports Journalism, Design, Music, Photography etc. Have a look at [Careersbox](#)

UCAS Careers Advice

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

Career Planner - Prospects

Prospects have an on-line careers planner *What Job Would Suit Me?* [Click here](#)

Career Pilot

Here you'll find careers information and tools for 11-19 year olds, all in one place. See the *Jobs* tab for terrific info on professions and roles. [Click here](#)

BBC Bitesize Careers

Whether deciding what to study, taking exams, planning a career, or just curious, the website aims to explain the world of work. [Click here](#)

Resources

Annual PotMed Conference - Virtual

The fifteenth annual *PotMed Conference*, has been announced. The conference is an all-day medical admissions crash course aimed to equip potential medical students with the tools and resources to help them through the application process. The course will include:

- A detailed tutorial about how best to approach and prepare for MMI style mock interviews, with top tips and model answers from both students and Imperial faculty involved with the admissions process.
- Expert advice on what goes into writing and fine-tuning a perfect personal statement, followed by a Q&A.
- A comprehensive review of each section in the BMAT/UCAT, with advice on how to tackle common question types and worked examples.
- A Q&A panel with a unique opportunity to ask questions about the Imperial admissions process and life as a doctor, directly to current students, senior lecturers, and admissions representatives.

Details are:

Date: Saturday 18th September 2021 via Zoom Time (subject to change): 10:00 - 17:00

Itinerary:

09:50-10:00 Registration Opens

10:00-10:10 Welcome Talk

10:10-10:25 Day Agenda Briefing

10:30-11:30 Year 12 Application Action Plan

Year 13 Entrance Exams Workshop - BMAT

11:50-12:50 Year 12 Entrance Exams W'shop - UCAT & BMAT, Year 13 Personal Statement W'shop

14:00-16:00 MMI Workshop

16:05-17:00 Medical School Q&A

The Year 12 and Year 13 entrance exam workshops will include practice questions under timed conditions followed by thorough explanations of answers. The session will be very interactive and lots of tips will be provided along the way to help with exam preparation.

The personal statement workshop for Year 13s will include both a short lecture with important advice, as well as a review of personal statements with a mentor where mentees also have an opportunity to ask questions.

The MMI workshop will include a series of MMI questions where each station will be discussed thoroughly with the group. Examples of topics that will be looked at include ethics, work experience, empathy, etc.

Tickets Tickets are priced at just £12 and can be purchased via the link: tinyurl.com/POTMED2021

National Coding Week

National Coding Week is an annual event that encourages people to learn new digital skills or share those they already have. Businesses, Libraries, Hubs and Schools all take part in the fun. Test your knowledge and find out more about the different careers and apprenticeships linked to coding with the new quiz. [Click here](#)

Years 11-13 University of Plymouth Maths Webinars

The University outreach department are holding three lectures which may be accessed by students. Details are:

'Non-Euclidean Geometry' aimed at GCSE and A level students. In this talk they look at the founding assumptions of geometry (e.g., internal angles of a triangle are 180 degrees) and ask what happens when we vary these assumptions. From these we produce interesting non-Euclidean geometries, which turn out to be very useful in the real world. This talk will take place on the **6th October at 11am**. Students can sign up here:

https://plymouthuniversity.secure.force.com/pmtx/evt_Conf_Detail?id=a13670000eWiup

'Proof in Mathematics' and is aimed at A level students. This talk examines some basic techniques for proving results, and also how not to do it! This talk will take place on the **5th November at 11am**. Students can sign up here:

https://plymouthuniversity.secure.force.com/pmtx/evt_Conf_Detail?id=a13670000eWivd

'Triumphs and Challenges in Modern Mathematics' and is aimed at GCSE and A level students. This talk looks at the efficiency of basic Mathematical procedures such as factorisation, sorting and searching, implying the underlying problems are easy. Making a small change to these problems surprisingly increases the difficulty level exponentially but opens up some real world uses.

This talk will take place on **10th December at 10am**. Students and teachers can sign up here:

https://plymouthuniversity.secure.force.com/pmtx/evt_Conf_Detail?id=a13670000eWj3P

All talks will be delivered by Matthew Craven and last for an hour, with time for a Q&A afterwards. ***Please seek permission if you wish to attend.***

All Years - EDT Information & Courses

EDT (Engineering Development Trust), offer young people active learning experiences in STE(A)M related careers, giving them the opportunity to gain knowledge and exposure that will help them make decisions about their future. Their aim is to increase interest in STE(A)M careers (Science, Technology, Engineering, Arts and Maths) through a variety of engaging and dynamic programmes for ages 9-21 that replicate experiences found in the workplace. Some examples include industry mentored projects, school activity days, specialised taster courses and industrial placements. All these programs work to develop students' teamwork, problem solving, communication, digital skills, numeracy and project management - increasing the confidence and employability of young people. The new programme from *EDT* has now launched. Please click [here](#) to see all the courses and Industrial Cadets levels. We are looking forward to providing you with flyers and leaflets, as and when applications for various programmes open. To find out more, please visit <https://www.etrust.org.uk/the-year-in-industry>

Year 13: Please click [here](#) to see all the courses and Industrial Cadets levels.

AI in Astrophysics - Saturday, 2 Oct 2021

With new telescopes powerful enough to see galaxies formed in the wake of the big bang, this 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. [Click here](#)

Resources From Imperial College London

Year 13 Maths and Further Maths Online Programme

*The mA*ths and Further mA*ths Online Programmes* aim to support A-level maths students who are considering a numerate degree at university. Applications are currently open for Year 13 students who would like to develop the skills needed to achieve an A* in their respective A-level.

Participants will be provided with tailored online support, online mentoring from Imperial students and attend two masterclasses with Imperial academics, students and external partners. This initiative runs in collaboration with [Mathematics in Education and Industry \(MEI\)](#).

To find out more about the programmes and eligibility criteria visit our [mA*ths Online](#) and/or [Further mA*ths Online](#) programme webpage(s). Applications close at 23.59 on Monday 27 September

Year 12 - STEM Potential

STEM Potential supports students with their A-level studies and university applications during Y12 and Y13. Participants will take part in practical workshops, lectures and university taster days. They will have the opportunity to meet current Imperial students and learn about their university experiences. We will support participants with the university application process including workshops on personal statements and university interviews.

To find out more, including eligibility criteria, please visit the [STEM Potential webpage](#). Applications close at 23.59 on 20 October 2021. Y10 applications will open in November.

Year 12 - Pathways to Medicine

Pathways to Medicine supports young people from state-funded schools and colleges who aspire to study medicine at university and become a doctor. The programme, run in collaboration with [The Sutton Trust](#), provides ongoing support through Years 12 and 13. Participants take part in activities that provide an insight into the medical profession support your medical school applications and prepare you for starting university.

Students need to live and go to school within one hours commute of our South Kensington campus. To find out more, including eligibility criteria, please visit the [Pathways to Medicine](#) webpage. Applications close at 23.59 on 11 October 2021

Year 7-9 STEM In Action – Free Self-Paced Resources

Take part and learn more about how the scientists, mathematicians and engineers at *Imperial College London* are working to understand the world around us. Explore our first two modules, *The Human Body* and *Beyond Our Planet*, which contains themed videos and activities that can be done at home or in school. [Visit the STEM in Action webpage.](#)

Has there ever been life on Mars? Free webinar, no registration required

From the idea of the Martian Canals in the 1800s to the recent interest in NASA's Rover Perseverance, humans have long been fascinated by the idea of life on Mars.

Join [The Royal Society](#) panel of experts as they explore the evidence that has been gathered from previous missions demonstrating why there may have been life on Mars

BHF Live & Ticking - The Heart Transplant Story 22nd September; 4-5pm

The British Heart Foundation (BFH) are running free, monthly, online Live & Ticking events. This month they are focusing on *The Heart Transplant Story*. [Register for free on the British Heart Foundation Website.](#)

Medicine Calling Virtual Conference 2021 – Saturday 6th November for Years 12-13

University of Leicester have announced the date of our annual *Medicine Calling Conference*, which will take place on Zoom this year. This is a one-day event for students in Year 12 and 13 who are

interested in finding out more about working in mental health, or who are interested in studying Medicine, Nursing or Psychology at University. At the conference, students will have the opportunity to speak to current healthcare professionals working in mental health, attend a variety of talks, and take part in interactive workshops which will be useful for university applications and interviews. Spaces are limited and applications close on Thursday 28th October. To apply, students will need to [complete this short application form](#).

Years 7- 9 The Salters' Institute - Chemistry Club has Launched

Chemistry Club is an innovative and interactive online learning platform for 11-14 year olds that explores the chemistry in our everyday lives, showcasing the breadth and depth of chemistry as a subject and a career. It aims to spark and nurture an interest in chemistry in young learners before choosing subjects later in secondary school. Interactive content will be released every weekday at 8 am and learners can explore monthly themes and weekly sub-topics. In September, the theme is Cosmetics and the sub-topics are make up, sunscreen, toothpaste and soap. All learners will need verification by me at the point of registration to be able to access the content. This is to ensure the platform's safeguarding protocols. Students can register using their school email address here: www.salterschemistryclub.co.uk/register

Chemistry Experiment Of The Month With Science Sparks

Save the Ice Cube

Explore the third *Experiment of the Month: Save the Ice Cube*, designed to bring science and chemistry to life for the whole family. Work together as a team to rescue the ice cubes before they melt and discover how water changes state depending on the temperature. Experiment with materials as you work against the clock to investigate the best insulators for your ice cubes. For this experiment, plus *Erupting Lemons & Limes* and *Brilliant Bubbles*, [click here](#)

Outreach from Balliol College, Oxford

Please find below a list of events taking place at Balliol, Oxford. Please sign up directly if interested.

What	When	Who	Booking Information
Virtual Chemistry Conference	Thursday 30 th September 16:00-18:00	KS5 students (16-19 yrs)	Further information and booking
University Maths Admissions Test Livestream practice sessions	Every Thursday at 17:00	Year 12 and 13 prospective maths and Computer Science applicants	Further information about session content can be found here
Prismatic Jane Eyre School Project - a nation-wide creative translation competition for school learners	launched on 30 th September 2021 – The competition deadline is 1 March 2022	Learners in Key Stages 3-5	Further Information
Virtual Oxbridge Admissions Talk	Monday 11th October 7-8PM	Any Student who is seriously considering making an application to Oxford or	Please email outreach@balliol.ox.ac.uk to register your interest in this event.

		Cambridge University	
Virtual Oxbridge Admissions Talk	Wednesday 10th November 6-7PM	Any Student who is seriously considering making an application to Oxford or Cambridge University	Please email outreach@balliol.ox.ac.uk to register your interest in this event.
Balliol Access Programmes - Floreat (Humanities) and Frontier (Science) Information evening. These are year-long academic programmes offering the opportunity to engage with Oxford-style teaching, and it is offered to students free of charge.	Wednesday 20th October 6-7. PM	Year 12 students in Hertfordshire, Norfolk and Suffolk State Schools who are seriously considering applying to Oxford University.	<u>Further information</u>
Oxford University 2021 Online Open Day	17 September (virtual)	Potential applicants and their parents/families.	<u>Further information</u> <u>Timetable of virtual events hosted by Balliol.</u>
<p>Super-Curricular Resources for Students</p> <p><u>These short videos</u> are designed to introduce students to a range of topics related to A Level and Degree Level study. Each has been designed to contain activities and suggestions about further resources to explore the subject. Please note we will be adding more videos on a rolling basis. access each video.</p> <p><u>These Subject Specific guides</u> which are available for most A Level and GCSE subjects, contain suggestions for exploring subjects further by way of about any suggestion you have to add to these guides.</p> <p><u>Oxford University Digital Resource Hub</u> – here you can find the best of our digital resources to support learning and exploration. They can help growing minds and inspire them to think broadly.</p>			
<p>Videos from Balliol College</p> <p><u>In this video</u> Balliol tutors talk about undergraduate study, sharing insights into how tutorials work as well as the qualities they are looking for in applicants.</p> <p><u>In this video</u> A third-year medical student gives prospective applicants a tour of Balliol, showing the Lodge, Library, Hall, Chapel, Junior Common Room, accommodation at the Broad Street site and in the new accommodation blocks at the nearby Master's Field site.</p>			

Youth Card From Speakers For Schools

Following the success of the Inspiration and Experience programmes, *Speakers for Schools* has announced a brand-new programme to support students: Youth Card

What is Youth Card?

Youth Card is a free mobile app that provides a one-stop shop for 11-25-year-olds for self-led discovery of educational, career and personal development opportunities in a safe environment.

Youth Card is uniquely placed to help students by offering:

Free access to UK-wide work experience placements and workshops with leading employers, including: *Spotify, Bentley Motors, bp, Google, NHS, Virgin Atlantic, The Financial Times, Santander* and the *BBC*.

Free access to UK-wide financial and enterprise programmes.

Free access to a UK-wide network of 7,000 youth organisations.

Free access to inspiring podcasts, broadcasts and short films by heads of industry and high-profile speakers like:

Nick Ross (TV broadcaster)

Rich Waterworth (GM of TikTok)

Shai Weiss (CEO of Virgin Atlantic Airways)

Gareth Southgate (England football manager – men's team)

Roger Federer (professional tennis player)

Dame Kelly Holmes (former Olympic athlete)

To find out more about Youth Card, visit www.youthcard.org

Years 10-13 Workshops from Skills Gap

Please note, there is a charge for the workshops

AI in Astrophysics - Saturday, 2 Oct 2021

With new telescopes powerful enough to see galaxies formed in the wake of the big bang, this 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. [Click here](#)

AI in Medicine - Saturday, 9 Oct 2021

Medicine is on the verge of an Artificial Intelligence revolution – from pioneering surgeries to algorithms that predict future health issues. This 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. [Click here](#)

AI in Engineering - Saturday, 16 Oct 2021

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. This 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, applying machine learning to a real-world engineering problem. [Click here](#)

Coding for Game Design - Saturday, 30 Oct 2021

With one third of the world's population already estimated to be gamers, the gaming industry offers one of the hottest career tickets today. This 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. [Click here](#)

AI in Finance - Saturday, 6 Nov 2021

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. This workshop is led by Moideen Kalladi, a data scientist with an MBA in *Business Analytics and Quantitative Finance* from *New York University*. Moideen 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. [Click here](#)

Nanotechnology - Saturday, 13 Nov 2021

There's a new global industrial revolution underway and it's small. Nanotechnology, the manipulation of matter at atomic and molecular level, is transforming everything from electronics to solar energy and space travel to oncology. This online workshop is led by Ryo Mizuta, a nano enthusiast and postdoctoral researcher at Cambridge University. You'll discover the trends shaping nanotech applications and get practical experience of using Python to scan electron microscopy data, analysing graphene for real-world applications. [Click here](#)

Free Coding Workshop

QA have a free, one-day, interactive coding workshop that focuses on the basics of python programming. Coding is evolving at an ever-accelerating pace and is crucial to the future of IT. This workshop will allow students to gain an understanding of core coding concepts and develop their confidence within programming. By the end of the session students will:

- * Learn all the coding fundamentals in Python
- * Create working code using operators, conditional statements and loops
- * Understand syntax in Python
- * Understand how to process problems and solve them with Python code
- * Know how to work with all the Python data structures: lists, dictionaries, sets, tuples
- * Learn how to create safe and secure code

[Sign up here](#)

Free STEM & Parents Guide

Success At Schools have a brand new 2021/22 edition of their STEM and Parents' Guides – available free from today. [Click here](#) to register for a copy.

Free UCAT Workshops – The Medic Portal

The Medic Portal are offering a series of free, online mini workshops designed to help students prepare for the UCAT. [Click here](#) to see the listing and more information.

Virtual Open Day – Cambridge University Hospital - Saturday 25th September

Open Event for Nursing, Midwifery & Healthcare Support Workers takes place on Saturday 25th September 2021, 9am to 3pm. This event may be of interest to students considering a possible future career in healthcare. The following areas will also be on hand to offer careers and general advice about opportunities at CUH:

Recruitment and Career Services

Clinical education team – including [preceptorship](#), [return to practice](#) and [overseas](#)

[Apprenticeship Team](#), including [Nurse Associates](#)

[Work Opportunities](#) including work experience

[Staff Bank](#) (temporary work including gap year opportunities)

[Volunteers](#) Please ensure that you register for this event. If you do not pre-register, you will unfortunately not be able to access the virtual event platform. To book your place, please register [here https://bit.ly/CUHvirtualopenday2021](https://bit.ly/CUHvirtualopenday2021)

STEM Student Zone

The Student Zone comprises interactive games, activities and information to help young people understand the power of STEM and explore relevant careers. The STEM at home series includes fun, practical experiments for families that can be completed in under 30 minutes and require little equipment. [Click here](#)

Education And Employers

There are some excellent resources available for all via *Education And Employers* website such as CV help for students without work experience. [What Employers Want](#) [Skills Without Work Experience](#) [Top Tips For Your First CV](#) [Standout CV](#)

Resources From University College, London

All Years - Ask The Expert No question is a silly question. *Ask the Experts* gives young people the chance to ask all sorts of exciting and inquisitive questions directly to our *UCL* experts, as well as providing an opportunity to find out more about the types of things that are studied at *UCL*. Ask a question [here](#)

Years 7-11 UCL Informed Futures

Informed Futures is a series of online events aimed at equipping secondary school students and their parent/carers with the knowledge and confidence to succeed in their next steps in education. Join *UCL* for a series of interactive online events (eg Introduction to University, Study Skills, Getting Ready for GCSE's), with separate sessions for students and parents/carers. [Click here](#)

Year 13 UCL Study Prep A free online course for students in Year 13 who are preparing to study at university. It is also a valuable tool for Year 12 students considering university study. Click [here](#) to access *UCL Study Prep*.

Year 11 On-Going Resources

[A Parent's guide to university study](#) *'Starting university is a major turning point in a young person's life, particularly if they are leaving home for the first time. We understand that it can also be an anxious time for parents and carers who want to help and support their child so that they make the most of university. This guide aims to answer some questions and help parents and carers to prepare their son or daughter for what is to come. This free publication is available to download from the UCL website.'*

[Resources for young people in Year 11](#) *'We recently created a new range of resources for students in Year 11 to help them think about what they want to do next. We have launched some new guides on topics from Choosing your A Levels to Choosing a University. The guides and lots more information are freely available on our website now.'*

Resources/Outreach From PwC

Virtual Classroom: These sessions will focus on supporting young people in building skills in resilience. For more information, [please click here](#)

Career Opportunities: There are still opportunities available for school and college leavers considering their next steps combining a full time, permanent role alongside a funded professional qualification. [Click here.](#)

Applications tips & Employability Hub: Take a look at the [Employability Hub](#) for lots of application advice, hints and tips and practice tests, and the [PwC Professional](#) framework for more detail on what they look for in prospective employees.

Coding Success

Coding Success is a new programme designed to excite 8 to 14 year olds about STEM. Fully funded by *BAE Systems*, the *Royal Navy* and the *Royal Air Force*, the programme provides non-selective state schools with teacher training, engaging lesson plans and free *LEGO*® kits for the classroom. [Click here](#) to find out more.

Prospective Medics

Take a look at this guide from *Blackstone Tutors*, full of hints, tips and FAQs which any potential medic will find invaluable. [Click here](#)

Raspberry Pi Foundation – Free Coding Resources & Coolest Projects

The Raspberry Pi Foundation have launched a free *Learn at Home* initiative to support parents and young people with coding resources at home. You don't need any coding experience to join in, and all of their resources and activities are free forever. Programmes include;

- Every Wednesday their team of educators host a digital making live stream to inspire and teach young people about getting creative with technology.
- They provide over 200 coding projects (for age 6 upwards) you can follow on any computer, with themes from looking after yourself to protecting the planet. All with step-by-step instructions, accessible online at any time, for free. [Click here](#)

Sign Up To Springpod

For the latest news on apprenticeships, work experience, careers news & stories – and much more – students should sign up to *Springpod*. Their website is full of advice, guidance and information for students. [Click here](#)

Free STEM Resources From GSK

GSK have a terrific *Student Zone* on their website with terrific information for those interested in working in the science/pharma industry, [click here](#) Why not take a look at [What is a vaccine?](#) module which explains how vaccines are being developed, or check out [Probability and immunity module](#), which allows you to explore probability through the lens of vaccines and immunity.

National STEM Club

Virtual club sessions on YouTube. For families and schools, with practical and hands-on STEM activities that support the curriculum within a club-style environment. [Click here](#)

Years 7-8 Tech We Can - Tuesday Lessons

Browse the lessons to date, [click here](#) and sign up for the release of new online lessons that outline the exciting possibilities a career in tech can bring.

General

Project Change At UEA

The University of East Anglia (UEA) is offering students the chance to get involved in *Project Change*, a new programme of climate change events designed to empower young people and make their voices heard. You can sign up to online workshops, download classroom resources and join in competitions. UEA's academics and graduates will deliver talks on subjects including Tackling Climate Change and Achieving Net Zero. [Click here](#)

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