



SCIENCEOXFORD



SECONDARY SCHOOLS

NEWS

SPRING 2018

ENGAGING STUDENTS IN STEM

INSIDE THIS ISSUE

2018 STEM PLACEMENTS

THE BIG BANG IS BACK

YOUNG ENGINEERING AMBASSADORS

WORK BEGINS AT OUR NEW CENTRE

MEET OUR NEW STEM PROJECTS OFFICER

LAUNCHING OUR WORLD OF WORK PROGRAMME

We have launched a new science careers programme called **STEM World of Work**, which enables students to engage with STEM employers in an increasingly meaningful way throughout their secondary schooling; increasing their knowledge of the STEM sector, developing skills and encouraging them to consider STEM careers and opportunities in their local area.

Building on the excellent relationships we have with local STEM businesses, STEM World of Work provides a range of opportunities for KS3 – KS5. There are in-school STEM challenge days, workplace visits and extended work placements for KS5 students. In addition, our STEM Horizons on-line careers resource profiles a wide range of local STEM professionals and businesses.



For details of all opportunities and find out more, go to: scienceoxford.com/schools/secondary-schools

BOOK NOW FOR SUMMER PLACEMENTS

Applications are now open for students to attend placements at a STEM businesses this summer. The STEM Placements programme is an opportunity for students in years 11 and 12 to gain extended work experience at a local business before they have to make decisions about what they are going to do when they leave school. There are two kinds of placement:

Research placements 3-4 weeks. Students undertake a research project with guidance from a mentor at a local STEM business or academic institution.

Apprentice Placements 2-4 weeks Students work alongside existing apprentices for the full apprenticeship experience in a chosen business.

Partner businesses in 2017 included Network Rail, the Medical Research Council and BMW.

For more info and to download an application form, go to: scienceoxford.com/schools/secondaryschools/stem-placements

"For me it was a good chance to talk to the people in the line of work I am interested in, and make connections for later."

STEM WORKPLACE VISITS

We're offering opportunities for groups of up to twenty year 9/10 pupils to spend a half-day visiting a local STEM business to find out about its work and the career opportunities available there. We organise the trips, complete risk assessments and liaise with the businesses so all you need to do is select your students and arrange transport.

Current opportunities include:

- Visits to materials testing experts, Instron (High Wycombe), in January
- Visits to world leaders in ejection and crash-worthy seats, Martin Baker (Chalgrove), in March
- Visits to the cutting edge Greatmoor Energy from Waste Centre (Aylesbury)

Book visits now - email: stemwow@scienceoxford.com



YOUNG SCIENTISTS OF THE YEAR 2018

Now is the time to start thinking about which of your students might be worthy of a nomination for one of our Young Scientists of the Year (YSOY) 2018 celebrations in the autumn term.

YSOY celebrations are fantastic feel-good events that recognise some of the region's most amazing young scientists. Schools nominate their three best science students at the start of year 13 to be recognised for their outstanding efforts in science during the past year, whether that means showing dedication to the subject or sharing knowledge and enthusiasm with other members of the school community. In 2017, we hosted two celebration evenings at the University of Oxford Museum of Natural History and at the Buckinghamshire Learning Campus - and these events will be repeated in 2018.



Read more at scienceoxford.com/young-scientists-shine-buckinghamshire

SAVE THE DATE: BIG BANG @ BUCKS 2018

Following the hugely successful event last year, Big Bang @ Bucks will be returning to Green Park Conference Centre (near Aylesbury) on **Monday 25th and Tuesday 26th June 2018**.

You are invited to bring groups of twenty year 7/8 pupils to this free day of science shows, workshops and the ever popular STEM Fair. Attendance is flexible throughout the day between 9.30am and 3.00pm but registration in advance is required.

We deliver The Big Bang @ Bucks in partnership with Buckinghamshire Learning Trust (BLT).

Registrations should be made via the BLT email: tradedsupport@learningtrust.net or for further information, please contact us at: bigbang@scienceoxford.com

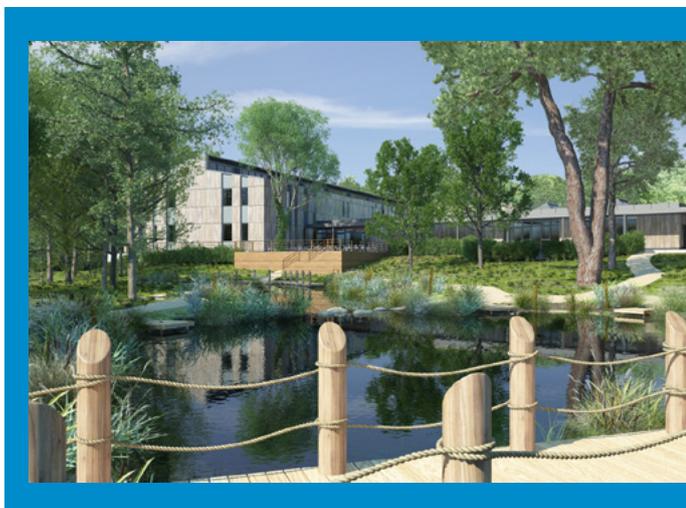


"The workshops were great fun, especially the K'Nex cars as I learned about how cars move and the greatest structure for building a car."

YOUNG ENGINEERING AMBASSADORS

Through extended support from the Royal Academy of Engineering, we are delighted to be continuing our Young Engineering Ambassadors (YEA) programme at Matthew Arnold School in Oxfordshire.

The YEA programme, which launched last year, enables year 9 students to become engineering ambassadors, working on projects with local engineering businesses and sharing learning with their school peers. GKN Innovation Centre, Viridor Waste Reclamation and Element 6 Industrial Diamonds are all continuing their support of the programme in 2018 and this year we are also delighted to welcome Abbott Diabetes Care to the team, who have designed a new challenge around packaging design and reel-to-reel printing mechanisms.



BUILDING WORK BEGINS ON OUR NEW CENTRE

We've started building work on our new Science Oxford centre, which is due to open in spring 2019. The centre, based at our Stansfeld Park site in Headington Quarry, Oxford, will be the UK's first indoor/outdoor science education centre specifically for primary-aged children, their teachers and families. It's a hugely exciting project and you can keep up to date with everything that's happening (and watch the build as it happens) by going to theoxfordtrust.co.uk/our-work/stansfeld-park/

MEET OUR PROJECTS OFFICER

Rebecca Philp has joined the Science Oxford team as our new STEM Projects Officer. She will be working to deliver the STEM World of Work programme to schools in Oxfordshire and Buckinghamshire.

Rebecca has a PhD in veterinary immunogenetics from the University of Glasgow. She is also a Microbiology Society champion and has delivered a science policy briefing to MPs and MEPs on soil health in the agricultural sector. She has co-ordinated several public engagement events and enjoys running workshops to inspire others about STEM.

Rebecca has a large labradoodle called Mr. Darcy, named from her love of all things Colin Firth. She loves travelling (often with Mr. Darcy), food and reading. She hopes to write her own books one day!



Rebecca Philp STEM Projects Officer

You can contact Rebecca in regards to the STEM World of Work at Rebecca.philp@scienceoxford.com or tweet [@STEM_WOW](https://twitter.com/STEM_WOW).

Contact Us

TELEPHONE: 01865 810000

EMAIL: SCHOOLS@SCIENCEOXFORD.COM

TWITTER: @SCIENCEOXFORD

SCIENCEOXFORD.COM

