

Liverpool Life Sciences UTC

Summer Newsletter 2017

What another great year we have had here at Liverpool Life Sciences UTC.

Year 11 have completed their secondary education, Year 13 will be moving on to the next chapter of their lives and students throughout the school have excelled and achieved so much. As the academic year comes to a close, I wanted to highlight a few of these achievements.

Sanela, Lauren, Gouma and Peter in Year 10 won the Innovation Award at a Unilever and All about STEM event for making an ethical bar of soap from scratch that would encourage children in developing countries.

Students, David, Sean and Michael Groom have won an Endeavour Award at The Big Bang Fair North West, a fair for young scientists and engineers after they designed and built their own cloud chamber.

And to top it off, we recently had a visit from the BBC's Countryfile team, along with botanist James Wong, who came to see the urban farming systems and other great facilities we have here at the UTC. They also filmed Year 10 student Ben Carter about his impressive laboratory experiments and students Bella Jones, Rhiannon Disley and Joe Benson who worked with Windsor Primary School to construct aquaponics systems from scratch without instructions.

We have placed several students at a range of hospitals, schools, laboratories across the city which equips them with first hand experiences of their chosen career will be like going forward.

Hearing these stories makes me so proud of what we do here. I want to thank all the staff at the UTC, your enthusiasm and dedication to the school is greatly appreciated. I think it's safe to say that this school is a place where students are motivated to work hard towards their goals, realise their dreams and exceed their potential.

I hope you all have a lovely summer and I look forward to seeing all our students back in September.



Ian Parry, Principal



Important Dates

A Level Results Day - 17th August 2017

GCSE Results Day – 24th August 2017

Term Starts – staggered by year group from Tuesday 5th September 2017

UTC Supports Can Cook Campaign

This term we partnered with local social enterprise Can Cook to support the Share Your Lunch Campaign. The aim was to raise £10,000 to banish 'holiday hunger' amongst young people this summer.



Can Cook will provide a nutritious, free meal, worth £2, every weekday during the six week summer break for children who are entitled to Free School Meals during term time. The campaign also raises awareness of hunger in Liverpool and provides support to find solutions to food poverty in the city.

We couldn't be happier to support such an amazing cause. You can see the progress of this campaign on our website.

Year 10 get a Communications Masterclass they will never forget!

Eli Harji, a former Campaigns Officer for the Liberal Democrats, visited UTC this term to deliver a Communications Masterclass for Year 10. She used her experiences of writing press releases, speeches and others forms of communication to help students with their speaking and listening assessments.

The students discussed political speeches and techniques they could apply to their own speeches. They also had fun using parliamentary language like "my honourable friend" and "here, here!"



It was an incredibly useful and enjoyable event for the students who will continue to use the tips and tricks they learned in the future.

Student's success at North West Big Bang Fair

A group of Year 13 students, David Callow, Sean and Michael Groom have won an Endeavour Award at The Big Bang Fair North West after they designed and built their own cloud chamber which will now be used as a teaching resource at the UTC.

A cloud chamber is a particle detector used for ionising radiation. It's an advanced piece of equipment that can be very expensive to buy so the students built their own using equipment from the school's science labs as well as parts they ordered.



They built the cloud chamber during their Year 13 project based learning sessions, an innovative element that the school offers to students alongside their studies. The students will take their project to compete on a national level at The Big Bang Fair later in the year.

Congratulations to all students' involved and good luck!

Duke of Edinburgh Expedition

Several students completed their Duke of Edinburgh Expedition in the Isle of Man this term and achieved the gold award.

The group enjoyed the sunny weather and the amazing landscapes the island has to offer.

Well done to all students who were involved in the Duke of Edinburgh expeditions this year.



Year 11 Prom Night

Year 11 let their hair down and celebrated their time at UTC at their prom.

The prom was held at the Isla Gladstone in Stanley Park and was a fantastic evening.



The students have worked very hard throughout the year for their GCSE exams.

We wish them all the best in their future endeavours!

Farewell to Year 13

We have also said goodbye to our Year 13 as they embark on the next chapter of their lives.

Our Year 13 will be heading off to university, undertaking apprenticeships and going straight into employment.



It has been a pleasure teaching and working with you all and the Liverpool Life Sciences UTC wishes you all the best in your future!

Another Great Year for Work Experience

At the UTC we pride ourselves on being able to offer students a chance to undertake a range of work experience placements. These placements help students to establish the industry standard skills they will need for their chosen career. Taking part in a placement helps to ensure all students are clear on their choice of destination and have a real feel for it before they leave the UTC.

We believe work experience makes our students stand out and equips them with something different, something a lot of students won't have had the chance to do yet.

This year students have participated in some amazing work experiences. Some highlights of the year have been:

- 4 weeks at Red X Pharma
- Monthly placements Pro Lab Diagnostics
- 70+ placements at Royal Liverpool and Broadgreen Hospitals. Students have been placed in a variety of departments including: A&E, AMU, Rehabilitation, Surgery and many more!
- Students have been to Nutricia, Getrag and Allergan
- Students interested in Engineering have been on a tour of Jaguar Land Rover in Halewood.
- Summer placement scheme happening at LGC Commissioning Group
- Summer internships happening at MAST, a world class manufacturer and supplier of diagnostic products for clinical, industrial and veterinary testing.
- Alder Hey Children's Hospital
- Students placed in several primary schools across the city.
- Nursing/Care homes
- Liverpool Women's Hospital

Red X Pharma

NHS

The Royal Liverpool and Broadgreen University Hospitals
NHS Trust



We cannot thank all of our partners and companies enough for enabling our students to have these opportunities!

Countryfile Visit Liverpool Life Sciences UTC

BBC's Countryfile recently visited the UTC as part of a feature on urban farming.

Farm Urban has installed three urban farming systems around Liverpool, one of them being in the UTC. These urban farming systems include aquaponics, hydroponics and vertical growing walls.



The production team were particularly interested in how Farm Urban has worked with us to use aquaponics as an educational tool. Principal, Ian Parry told them about the range of ways in which students had been involved in this project.

Year 10 student Ben Carter was interviewed about his laboratory experiments into the conditions that effect the way in which ammonia in the fish waster is cycled by bacteria into nitrate, which can then be used by the plants.



Finally, the team filmed students Bella Jones, Rhiannon Disley and Joe Benson who worked with Windsor Primary School students to construct aquaponics systems from scratch without instructions.

It was an excellent day and fascinating to meet James Wong and the production crew and learn more about how a TV show is made. In fact, James Wong had a great time himself!



LJMU Mentor of the Year award

A big congratulations to Mr Usher who was awarded the LJMU Mentor of the Year award this term!



Students visit labs in Sheffield

A group of Year 11 students visited Sheffield University this term and spent the day in the school of Molecular Biology and Biotechnology.



The workshop focused on DNA extraction and PCR (Polymerase chain reaction) and finished with a tour of the whole department including their innovation labs.

Thank you to Sheffield University and Dave Hornby, Professor of Biochemistry at Sheffield University for having us!

