

# Liverpool Life Sciences UTC

Summer Term Newsletter 2015

## Letter from Principal, Phil Lloyd

Embracing new opportunities has become the norm for our students, with our first ever academic paper being published in The Young Scientists Journal this term. Listing our Year 11 students as contributors, the journal explores genome analysis with our resident model organism the Darkling Beetle. A published testament to the innovation taking place inside the UTC laboratories.

Students are continuing to immerse themselves into the Scientific community with visits to the University of Liverpool, Daresbury Laboratory and the International Physics Symposium, where they were invited to a key note from Professor Brian Cox. Our Sixth Form enrichment group have been working with our partners at Farm Urban to bring an aquaponics system to Ness Gardens in Chester, which will leave a standing legacy to their passion for Biology and conservation.

Those studying on our Healthcare pathway have been just as busy. We hosted a plaster-cast workshop, ran a Heart Start training course and attended the STEM Radiology conference at ACC Liverpool.

As we continue the UTC journey alongside our first Year 11 cohort advancing into Sixth Form, we also prepare to welcome the 300 new students that will be joining us this September. I am looking forward to following the paths of our student leavers, particularly our Year 13s who are taking the next steps towards their future careers, whilst anticipating the beginning of a new journey with our Year 10 and 12 students.

The incredible achievements of our students would not be possible without the commitment and support of the whole team at the UTC. I would like to personally thank all teaching staff for their ongoing dedication which enables our students to succeed, and also our team of support staff who work hard to create a safe and professional environment in which our young people can thrive.

As we begin arrangements for the new September term, I would like to wish our Year 11 and 13 students the best of luck for results day. We look forward to sharing in your success this August.

**Have a great Summer break, see you in September for another inspiring term.**



### University of Liverpool Summer Fair of Culture

This term we were invited to attend the History, Languages and Cultures Summer Fair at the University of Liverpool. Students spent the day exploring a variety of subjects through a series of hands on activities and workshops. From learning the basics of the hieroglyphic script to researching regional languages, students were given a taster of life as a university student.



### Time of Day Change

After significant consultation we have decided to change the time of the school day to 9am - 4pm from September. This is to enable students who travel a long way to reach home earlier. We remain committed to a 9 to 5 day and will supervise students to do independent study between 4pm-5pm if they wish. School buses will leave at 4pm with minibus shuttles to Liverpool train stations from 4pm-5pm.

### Year 10 Model Organism Project

This term Year 10 students started their Model Organism Project with Dr Dyer in the Innovation Labs. The students are studying *Daphnia Pulex*, the most common species of water flea. They are commonly found across the Americas, Europe and Australia. Throughout the project students will explore the Biology, Chemistry and Physics behind the organism; including looking at the genetics, model environments and ways they can be used in drug testing.



### Emergency Services Training Awards



Sixth Form students from Life Sciences UTC took part in a training day at the Emergency Services Training Centre in Wirral. To celebrate the success of the students that attended the course, Director of Business and Education at ESTC Wirral, Dave Taylor, hosted an award ceremony at Life Sciences UTC to celebrate their determination and hard work. Congratulations to the 13 students that took part in the training, what an inspiring achievement!

### International Visits



This term students took part in two international visits which saw them experiencing

both sun and snow! The Ski Trip to Walgrain in Austria was a great success with over 27 students hitting the slopes for 6 days of ski lessons. Whilst a visit to Spain saw students practicing their Spanish language skills and exploring the history of Valencia.



#### **Class of 2015 Awards**

We are extremely proud of the achievements and accomplishments of our students, and understand the importance of recognising the key characteristics and attributes that our business partners tell us they look for in their teams. Congratulations to the following students who have been selected to receive an award for their outstanding commitment and success throughout the past two years!

**University of Liverpool Academic Achievement:**

Adam Weaver

**University of Liverpool Overall Contribution to UTC:**

Jack Condon

**Croda Award for Curiosity:**

Daniel Groom

**Redx Pharma Award for Innovation:**

Jennifer Monkhouse

**Redx Pharma Award for Enterprise:**

Jack Webster

**Bristol Myers Squibb Award for Communication:**

Rachel Winrow

**Mast Group Ltd Award for Resilience:**

Radhika Joshi

**Pro-Lab Diagnostics Award for Motivation:**

Tom Duce and Rose Meehan

**Pro-Lab Diagnostics Award for Initiative:**

Sarah Bennett

**Professor Dave Hornby Award for Imagination:**

Calum Grosscurth

**Getrag Award for Vision:**

Michelle Van Zyl

**Nutricia Award for Passion:**

Anastasia Roberts

**Professor Dave Hornby Award for Commitment:**

William Brade

**Liverpool Clinical Laboratories Award for Analytical:**

Beth Gwyther

**Actavis Award for Leadership:**

Jack Condon

**Royal Liverpool Hospital Award for Compassion:**

Hannah Johnston

**Royal Liverpool Hospital Award for Empathy:**

Hannah Beech

#### **Emergency Services Heart Start Training**

This term students took part in a training course delivered by paramedic Robert Sharples, covering basic life skills including CPR, anti-choking techniques and how to deal with open wounds and cuts.

Completing the course enables students to teach their classmates and teachers the correct way to perform life saving medical techniques, which is a brilliant achievement for our Year 10 and 12 Heart Start ambassadors!



#### **Engineering Enrichment Visit**

The Life Sciences UTC scooter enrichment team were invited to visit the *Rock Oil* headquarters in Warrington this term. Students were greeted by the Technical Manager of *Rock Oil*, Martyn Waterhouse and explored the different products manufactured by the company. The team were taken to explore the area for storing the oils and additives, the blending rooms in which different mixes of oils and additive recipes determine the desired production of job specific oils, and then moved across to the labeling and filling area.



### Sixth Form Leavers Prom

We also celebrated our first cohort of Sixth Form leavers this term, with a Prom at the Racquet Club in Liverpool City Centre. Students spent the evening celebrating with staff to toast the end of exams and the end of their A Level and BTEC programmes. We look forward to seeing you all on Thursday 13<sup>th</sup> August for Results Day!



### Year 11 Leavers Prom

On Thursday 25<sup>th</sup> June, our Year 11 students attended the end of year Prom to celebrate their time with us at the UTC. Hosted at Constellations on Greenland Street, the Prom was the perfect way to end the year and all students looked fantastic dressed in evening gowns and suits!

Students were joined on the dancefloor by the Life Sciences UTC teaching team for a celebration of our first ever Year 11 graduates. We wish all students the best of luck with their GCSE results and look forward to seeing some of them back at the UTC to start Sixth Form in September.



### Ness Gardens Aquaponics Installation

A group of Sixth Form students have been working with our partners at Farm Urban to begin construction of an aquaponics system at Ness Botanic Gardens. The team have worked tirelessly to begin building the foundations of the system, including installing a pond and preparing the substrate which will anchor the roots of the plants, providing access to water, nutrients and oxygen. We are looking forward to seeing the finished system once it is up and running!



### PE Department Achievements

Well done to the Life Sciences UTC Year 10 Girls Rounders team on their first win of the season. The girls played a very skilful game against The Kingsway Academy and managed to leap ahead to finish with a fantastic score of 12 1/2 rounders to the Academy's 6 1/2 after the second innings. The team showed great poise at all times and we are very proud of their success leading to the UTC's first ever Rounders win!

