

CUC NEWSLETTER

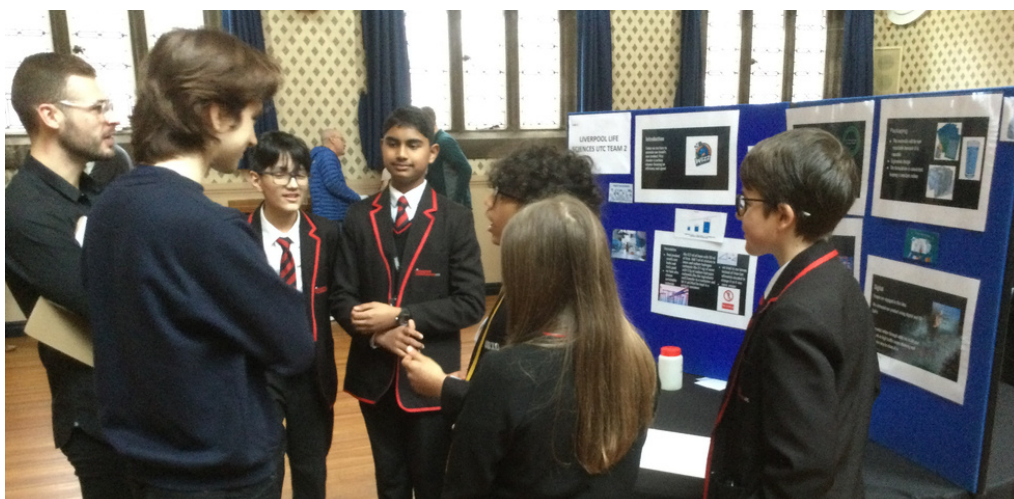
SPRING, WEEK 10

This week, we have been reflecting on the impact of our employer engagement programmes. Our Students Leaders shared their experiences during a monitoring visit from the Baker Dearing Trust who were staggered by the range and quality of the experiences our students receive during their time here; such as the Unilever Inspire Programme and the visit from Dr Tim Gabriel. Our team work very hard to bring the very best of the university and private sector into the building and it absolutely shows when our young people secure offers to study competitive degrees like medicine from leading universities like the University of Sheffield.



Prestigious University Offer

Bo has received a prestigious offer to pursue Medicine at Sheffield University. Bo, who currently immerses himself in Biology, Chemistry, Maths and his EPQ, has achieved an incredible milestone. It's an extremely proud moment for Bo and we extend congratulations to him on this remarkable achievement!"



Unilever IGNITE Showcase

Last week, a dynamic team of 15, Year 9 students proudly represented us at the regional final of the Unilever Inspire programme. Tasked with the challenge of creating a product with sustainability at its heart, whether in personal or home care, our students embraced the opportunity with enthusiasm and creativity.

Over the last 4 months the students have been working on their products in 5 areas

- Formulation – selecting the right mix of ingredients to make their product and thinking about cleanliness, viscosity, smell, safety, etc.
- Digital – what data they can use the help shape the project – global stats, AI modelling.
- Consumer Technical Insights – what does their product do, why is it needed and how will it be used leading to claims they can make about the product.
- Processing – how can you scale up the product for distribution and sales worldwide.
- Packaging – how will it be packaged and how is this sustainable.

The results were nothing short of extraordinary, with our students crafting a Sea Moss hair oil, a Unisex body lotion, and a revolutionary kitchen cleanser tablet. They showcased their creations to Unilever staff over a three-hour period, delivering a stellar performance that left a lasting impression. Though we may not have clinched the victory, the experience proved invaluable, bridging the gap between classroom learning and real-world industry applications. A heartfelt thank you goes out to All About STEM and Unilever for orchestrating this enriching program, affording us a glimpse into their world and empowering our students with invaluable insights."

Word of the Week - CORPUSCLE

Definition: a minute body or cell in an organism, especially a red or white cell in the blood
Usage: "A single platelet lying upon a red corpuscle may easily be mistaken for a malarial parasite."

Vaping – We would like to remind you that we do not allow students to bring items such as cigarettes, lighters, matches or e-cigarettes/ vapes into school.

Zero Tolerance of Abuse - The NST has a zero-tolerance approach to abusive language, violence, aggression or harassment towards employees, governors and volunteers.



Baker Dearing Trust Visit

On Wednesday, we welcomed Stephen Leahy and Will Harding from the Baker Dearing Educational Trust for a monitoring visit focusing on our employer engagement programme – they met with staff and students from all of our specialisms and were absolutely blown away by the breadth and depth of experiences our young people encounter in relation to employability in our sectors. Thank you in particular to our student leadership team for hosting such a wonderful student led session.

Unifrog: Deadline 04/04/2024

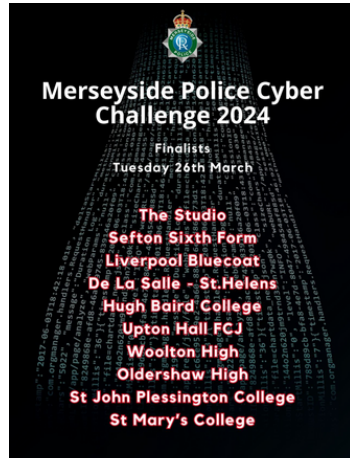
Y9: Job applications: superhero CVs Task
Y10: Challenges and rewards of work Task
Y11: Are A Levels right for me? Task
Y12: Using the Work environments profile Task

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Hatching chicks

On the 28th February, 7 eggs arrived to Liverpool Life Sciences and after 3 weeks in an incubator they began to hatch over the course of 24hrs starting 19th March. Once hatched they stayed in the incubator for 24 hours to ensure they absorbed all the nutrients before being moved to their cage. They have a brooder in the cage which keeps them warm and replicates the feeling of being under their mothers body in the coop. One unfortunately didn't hatch but the other 6 chicks are healthy and thriving and creating a lot of noise. They are a selection of rare breed chickens and have unusual markings compared to the more common chickens you see. They will be with us until Thursday before returning home to their farm.



Merseyside police cyber security competition

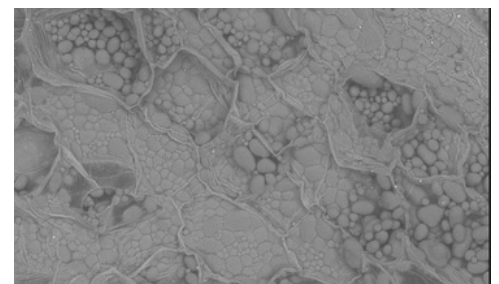
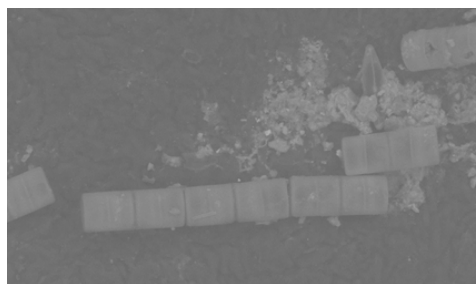
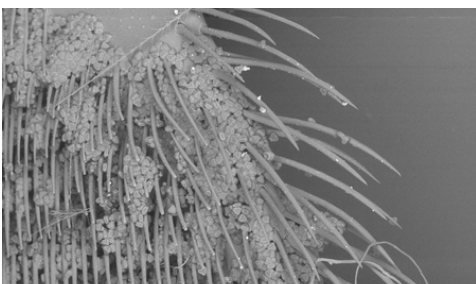
On March 26th, a talented group comprising both Year 12 and Year 13 students from Liverpool Life Sciences and The Studio School will be vying for victory in the finals of the Merseyside Police Cyber Security Challenge. After securing an impressive second place last year, our students are geared up and determined to clinch the top spot this time around. With their sights set on surpassing last year's achievement, they're ready to showcase their skills and strive for success as finalists once again!

Micrograph of the day

Monday - we had a visit from the Urban Beekeepers who thoroughly enjoyed the Scanning Electron Microscope that is currently utilised daily at Liverpool Life Sciences UTC and we are eagerly anticipating further collaboration with them in the near future. Monday's Electron Micrograph was the bee's knees....literally. The small triangles are pollen grains, the bee's "spit" on the pollen to make it sticky and stick it to the hairs in the "saddlebag" areas on their legs.

Tuesday - In light of the uncertainty surrounding this sample, we decided to send it off to Elaine in Vancouver for her expert opinion. We suspect it might be a diatom chain extracted from the River Mersey above Warrington Weir. We eagerly await Elaine's assessment and insights."

Thursday - Here, you can observe a slice of potato revealing sliced-open cells. Those round to oval structures you're seeing are amyloplasts, where the biosynthesis of starch (from glucose) takes place.



Tim Gabriel visit

This week, Dr. Tim Gabriel, Senior Lecturer in Chemical Sciences at Manchester Metropolitan University, joined forces with three of our Liverpool Life Science A Level students to prepare self-forming nanospheres. Three weeks ago, Tim initially graced our state-of-the-art laboratories, where our students embarked on creating spheres. This week marked Tim's return, amplifying the excitement as he revisited to conduct the experiment once more, this time utilizing the Scanning Electric Microscope (SEM) to provide our students with an exhilarating up-close encounter with the spheres.

Bingo Lingo: Charity evening with Shelter

Get ready for a thrilling night out as Liverpool's beloved show hits the stage on March 28th, with every penny raised benefiting the charity Shelter - The National Campaign for Homeless People. Join Camp and Furnace for an unforgettable evening filled with the trademark excitement of bingo.



Year 9 and 10 Trip to Bushcraft Camp

We would like to invite Year 9 and 10 students to a Bushcraft Camp at Castle Howard, Yorkshire on 10th to 12th of July 2024. Students will spend two nights at a safari style tented camp. They will sleep in tents and cook over open fires, build shelters, learn first aid and tackle outdoor adventures. This is an incredible opportunity to develop communication, team building, and leadership skills and prepare for their important GCSE years. The trip will cost £180 with a £50 contribution from school if eligible for Free School Meals. If you would like to secure your place, a deposit of £45 needs to be paid to student services or www.wisepay.com before the 10th May and return the permission slip, attached, as soon as possible. The full amount needs to be paid by 30th May 2024. You can pay weekly or monthly into Wisepay. Please email any questions to: A.Connolly@lifesciencesutc.co.uk