

CUC NEWSLETTER

SPRING, WEEK 9



Open Evening KS4 & KS5 Tuesday 19th March 2024 5-7pm

Join us at Open Evening to find out more about attending Liverpool Life Sciences UTC and The Studio School for either GCSEs or Sixth Form. Please scan the QR code to secure your place now,

A week of incredible industry experiences, including the opportunity to consider how businesses like Ford will evolve and secure jobs for the city region during a full project day. We also shared our Year 12 project work with team at Alfred H Knight which has resulted in students being offered work experience placements. Well done year 12 for your impressive performances. We also loved inspiring the next generation of students with a visit from Much Woolton Primary.



Much Woolton Primary School Visit

We welcomed Year 6 students from Much Woolton Primary School to the Project Based Learning Department; pupils did activities around water quality and aquatic life. They looked at daphnia using light microscopes and the Hitachi Scanning Electron Microscope and checked water quality using chemical analysis. They were helped during the day by students from Year 10 and 12 (Baltic Research Institute members). The students all had a lovely time, and were enthusiastic and engaged in their learning

Year 9 and 10 Trip to Bushcraft Camp

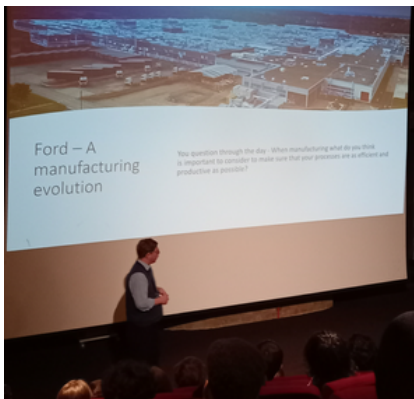
We would like to invite Year 9 and 10 students to a Bushcraft Camp at Castle Howard, Yorkshire on 10th to 12th of July 2024. Students will spend two nights at a safari style tented camp. They will sleep in tents and cook over open fires, build shelters, learn first aid and tackle outdoor adventures. 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



Ford Insight Day

This week, we hosted a Ford Factory Project Industry Insight Day for our Year 10's. Ford has invested £355 million in its Halewood plant in the UK as part of its commitment to an all-electric vehicle range. The plant is essential to Ford's European electrification plan to sell zero-emission vehicles by 2030 and all vehicles including vans by 2035. The Halewood plant will produce technology that will power 70% of the 600,000 EVs that Ford plans to sell in Europe by 2026. The investment will secure 500 jobs at the Halewood plant and provide employees with the skills necessary for Ford's EV future.

Our Year 10's were set the task of implementing a new factory whilst considering important factors such as the timeline, working hours, travel, interior design of the factory and sustainability. At the end of the Ford Insight day, Year 10 presented to the rest of their year group. The two winning teams were awarded with Ford T-Shirts. Overall this was a really engaging day for our students who have taken home valuable information that they can apply to their learning in the future. We are so grateful to the team at Ford for their continued support.



Word of the Week - VOX POPULI

Definition: the opinions or beliefs of the majority:

Usage: "her poems weren't exactly the vox populi"

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.

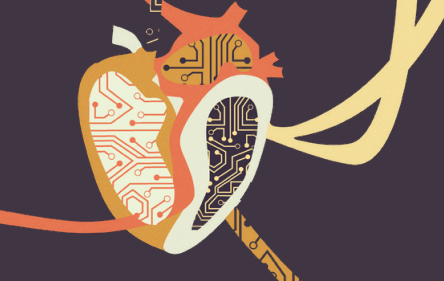
Zero Tolerance of Abuse - The NST has a zero-tolerance approach to abusive language, violence, aggression or harassment towards employees, governors and volunteers.



Creative Boost sessions

Are you in Year 10 and 11 and want to improve your current Art, Graphics or Photography grade? Join us every Thursday 4-5pm in 306 where you can get that added boost you need. Don't forget pizza and chips will also be provided.





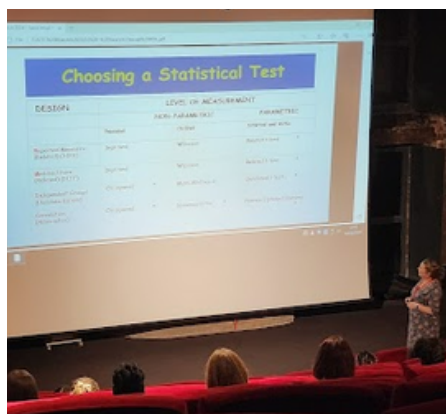
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Understanding statistical testing in Psychology

This week, Carole Williams was invited in to deliver a session on Statistical Testing in Research Methods to Year 13 UTC Psychology students, and visiting Year 12 students from North Liverpool Academy. As well as being a successful Psychology teacher for over thirty years, Carole was also Head of Psychology at Carmel College and an AQA Psychology Examiner.

The aim of the session was to highlight key areas where students traditionally lose marks, and direct students to those areas and skills that will maximise their chances of achieving the top grades. It was perfect preparation for the external exams that are now only nine weeks away. Whilst it was a challenging session, it was certainly an extremely useful one!



Alfred H Knight visit

Last week Dr John Dyer visited Alfred H Knight to show them the outcomes of the "Lab Metalitics" Year 12 Chemistry project and to discuss work experience, apprenticeships and a skills assessment day for our students. They were really impressed by the standard of the student reports on the analysis and recovery of valuable metals from black mass and agreed to award two week-long work experience placements to the best project. A panel of three staff including the UK lab manager unanimously decided that Jess Lynam and Alex Bunting would be the winners of the first Alfred H Knight prize and receive a trophy and a week of work experience in the summer term. Kitty and Affeynaya came a close second and Olamide and Asra were third. Next term they will set the year 12 Chemistry cohort a skills challenge during PBL and award a third placement to the winner of this challenge.

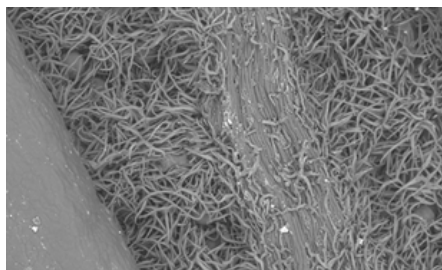
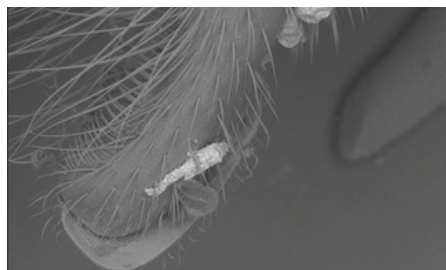
Alex said that she is *' Hoping to work in Material Sciences as a career, so this opportunity of working with Alfred H Knight will give me real life work experience which will help me in the future.'*

Jess shared that she is *"Really looking forward to working in a real life laboratory and working with new chemicals that I haven't been able to use at school. I would love to work with sustainable materials in the future so this will be a great experience for me"*

Biggest congratulations to Alex and Jess who have shown that they are a testimony to themselves!

Bletchley Park trip

Last week our Year 10 Computer Science students thoroughly enjoyed their visit to Bletchley Park, the home of GCHQ code breakers during WWII. They enjoyed an informative guided tour with a local expert, studied encryption algorithms used during the war and those used in modern day communications and explored the site.



Micrograph of the day

Monday's Micrograph was a Rosemary Leaf. The hair like structures trap moisture, creating a microclimate around the leaf which reduces water loss. (Rosemary originates in hot countries.) You can just make out (top left especially) the circular scent glands.

The second Micrograph of the day was a bee's nose....complete with pollen. (top right, ball of thousands of pollen).

Neurodiversity Celebration Week 2024

Next week we celebrate Neurodiversity Week which is a worldwide initiative that challenges stereotypes and misconceptions about neurological differences. Neurodiversity Celebration Week 2024 will be taking place on Monday 18 March – Sunday 24 March. It

aims to transform how ND individuals are perceived and supported by providing schools, universities, and organisations with the opportunity to recognise the many talents and advantages of being ND, while creating more inclusive and equitable cultures that celebrate differences and empower every individual.

A diverse schedule of events is taking place. All are free of charge. For more information, please visit www.neurodiversityweek.com

Neurodiversity Celebration Week 2024 Events				
Monday 18	Tuesday 19	Wednesday 20	Thursday 21	Friday 22
09:30 - 10:30 An Introduction to Neurodiversity	09:00 - 09:45 Neurodiversity at Work Q&A: Ask the Experts	09:00 - 09:45 Neurodiversity at Work Q&A: Ask the Experts	09:00 - 09:45 Neurodiversity at Work Q&A: Ask the Experts	09:00 - 09:45 Neurodiversity at Work Q&A: Ask the Experts
10:30 - 11:00 Neuro-Inclusive Language & Communications	09:30 - 10:00 Culture, Community and Class in Neurodiversity: Who Gets Left Behind?	10:30 - 11:00 Neurodivergent & LGBTQIA+: The 'Double Rainbow' Intersection?	10:30 - 11:00 Neurodiversity for HR Professionals	10:30 - 11:00 Neurodiversity: Understanding Alternative Education Provision
11:30 - 11:45 Neurodiversity: We Don't All Fit into One Box!	11:00 - 11:30 The Benefits of Neurodiversity in the Workplace	11:00 - 11:30 Connecting Classrooms to Careers: Neuro-Inclusive Tech for Future Leaders	11:00 - 11:30 Late Discovered Autism & Menopause	11:00 - 11:30 The Experiences of Neurodivergent Women & Girls
11:30 - 17:00 Neurodiversity in Higher & Further Education	14:30 - 16:00 Creating a Neuro-Inclusive Classroom	14:30 - 16:00 Neurodivergence isn't a Mental Health Problem	14:30 - 16:00 Empowering Yourself as a Neurodivergent Woman in the Workplace	14:00 - 16:00 Global Perspectives: Neurodiversity around the World
Neurodiversity Celebration Week 18-24 March 2024	14:30 - 16:00 Neurodiversity: Fueling Creative Minds	14:30 - 16:00 Understanding Neurodiversity as a Family	16:30 - 20:00 Neurodiversity for Parents & Carers	16:30 - 18:00 Good Practice for Neurodiversity Professionals



Amazon LPL2 Fulfilment Centre trip

Year 12 Engineering students had a masterclass from regional area Engineering Manager Andrew Hughes on predictive and preventative maintenance within the amazon business in Knowsley.

Ms Allason's Conundrum

Each week, we will have a problem to solve, and the solution to the previous weeks problem. Last week's answer was 68

And the next conundrum is:
"I add 6 to 11 and get 5, why am I correct?"