

CUC NEWSLETTER

AUTUMN, WEEK 14

We have been deeply engrossed in learning specialist skills that reflect the sectors of industry we are based upon this week. Students have been doing exceptional things in PBL, often only seen in university laboratories. They have also been learning key enterprise skills, thinking creatively and communicating their ideas. Alongside this, they have been caring for their community and are still working hard to achieve their fundraising goal. We are so proud of you!

Immersed in Enterprise Drop Down Day

This week, Year 11 students immersed themselves in the world of entrepreneurship with great enthusiasm. They had the privilege of hearing from the engaging entrepreneur, Altaf Rahman who shared his captivating journey in the business world. Mr. Rahman discussed the challenges he encountered and the path he took to succeed, currently holding the esteemed position of Vice President of The Eastern Hemisphere at Aspen Aerogels. Inspired by this experience, our students embraced a challenging task: to conceive and craft innovative business or service concepts within sectors such as Transportation, Healthcare & Medicine, Housing, and Communication. They diligently conducted research, analyses, and refined their ideas, culminating in the presentation of their 'business concepts' in our cinema. What made this week even more enriching was the guidance provided by business students from Liverpool John Moores University. They worked alongside our students, helping them navigate challenges, prepare presentations, and served as judges for the winning pitches at the end of the day. They also offered valuable insights about university life, benefiting both our Year 11 students and some of our Year 12 business A-level students.



Non Uniform Day Reminder

On Thursday 21st December, we will end the term with a non-uniform day. Students may wear their own clothes to school and pay a suggested donation of £1 to our Christmas Appeal, which will be collected as they arrive at school. The Christmas Appeal provides food and gifts for families in our school community who are struggling this year.

Cake Sale for our Christmas Appeal

On Tuesday, our 6th formers and a few student leaders ran a cake sale during their break. Our students have raised £50 so far from the cake sale and Guess the Name of the Bear, thank you to Betty and Diana for organising.



Just Giving Christmas Appeal Reminder

We aim to support up to 100 families in our school community who will struggle with the cost of living and buying food this Christmas. Our intention is to raise as much as possible towards buying these families small gifts as well as food hampers containing essential items and toiletries. We want to support all in our school community who are struggling or facing financial hardship, to ensure that no child is left out.

https://www.justgiving.com/crowdfunding/LLSStudio?utm_term=33VwzX8Dj

Word of the Week - ALTRUISM

Definition: Willingness to do things that bring advantages to others, even if it results in disadvantage for yourself

Usage: "some may choose to work with vulnerable elderly people out of altruism"

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.

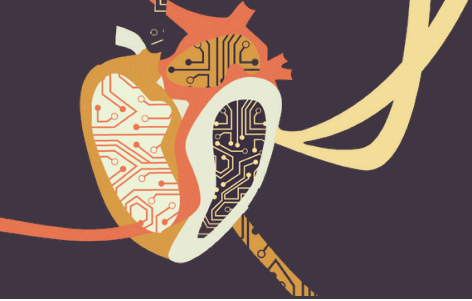
We are raising £1000 to support families in our school community who need food parcels and gifts this Christmas.



Unifrog Homework Deadline - 04/01/2024

Ignite: What are my interests? Task
Year 10: Exploring Possibilities: Dream Jobs Task
Year 11: Post-16 Choices, Choices Task
Year 12: Setting Career Goals Task
Year 13: Continue work on Personal Statements





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Visit to Science and Industry Museum in Manchester

Year 10 Computer Science students visited the Science and Industry Museum in Manchester to learn about early computing history; the Jacquard Loom and the Small-Scale Experimental Machine known as the Manchester Baby, which was the first electronic stored-program computer. Students also enjoyed experiencing 50 years' history of single- and multi-player computer games.

Aspiring Medics at University of Liverpool

Year 11 students enjoyed a day of activities at our sponsor, the University of Liverpool, designed to broaden their experiences and support entry to university for Medicine and the Life Sciences.

Public Reading Competition

Congratulations go to all 68 students who participated in our KS4 Public Reading Competition. The judging panel had a very difficult task taking into account overall pronunciation, intonation and resilience.

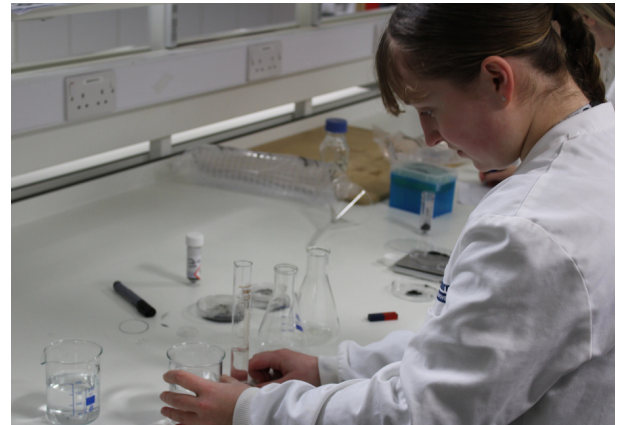
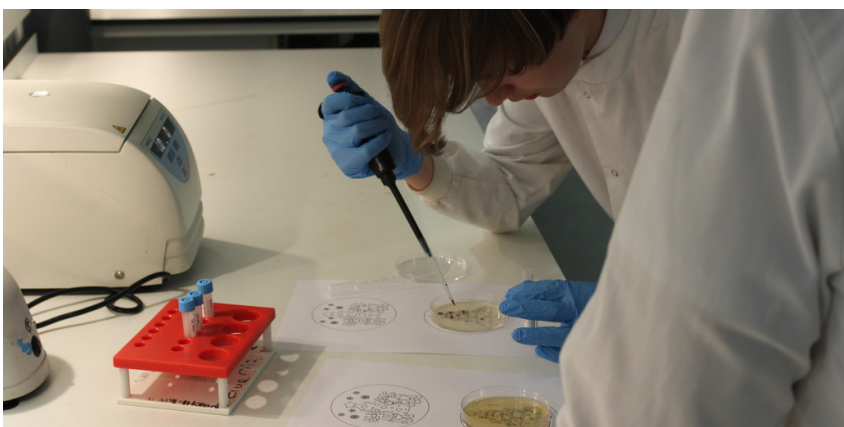
Year 9 - 1st Imran Izzady / 2nd Iris Preston / 3rd Inez Adleey

Year 10 - 1st Lennon Thomas-Feeley / 2nd Ava-Mae Jones / 3rd Phoebe Thorne

Year 11 - 1st Carter Gilling / 2nd Iliya Najafi / 3rd Hamdia Ibrahim

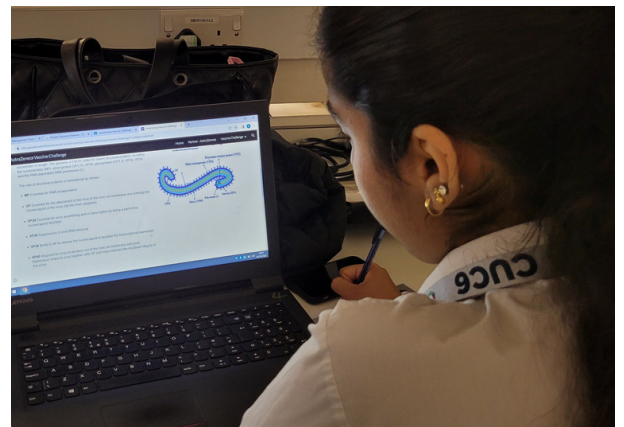
Ignite and Year 12 Applied Science Pathway

Students will be loading the DNA they extracted from Maggot tissue onto agarose gels for analysis next week. Loading such small volumes is very tricky so students have been practicing their micro-pipetting in a festive way. They had to create a Christmas or Winter themed design on an agar plate by creating small wells using a pipette tip and filling these wells with tiny volumes of coloured dyes using the P2 and P10 micropipettes. Students showed incredible skills and control, creating some splendid results.



Focus on PBL: Year 12 Chemistry

Students have been set the challenge of separating and analysing the content of a mixed sample of metals and their ores as part of the Alfred H Knight Lab Metalurgy project. This week in the lab the students have been planning and trialling their methodology including using magnets, filters, centrifuges, microscopes, hotplate stirrers, a range of acids and other chemical reactions to attempt to separate and analyse their samples. It was very impressive to see the students really thinking through the problem and researching the options available and persisting when their first attempts were unsuccessful.



Focus on PBL: Year 12 Biology

Students have been preparing their academic posters ready to pitch the vaccines they have designed to staff from AstraZeneca after Christmas. Students were set the challenge of designing a new vaccine to deal with a fictional emerging viral threat which is causing a pandemic. They had to work through all of the key stages in vaccine design and testing, making decisions along the way about what type of vaccine they would produce, what technology it would use and how it would be tested for safety and efficacy. The students have reached their decisions through conducting in-depth research using peer-reviewed sources. We really look forward to seeing them present their findings to scientists from AstraZeneca at the conference style event in the New Year.