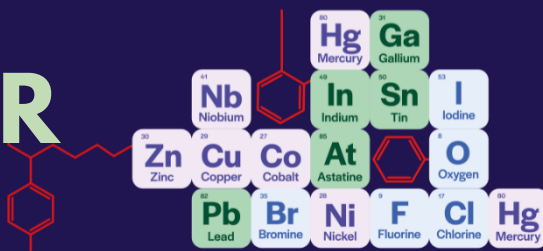


CUC NEWSLETTER

AUTUMN, WEEK 10



Good luck to all the students preparing for Mock Exams next week. We appreciate that it can feel stressful, but it is worth the investment of time and effort now. If you are struggling with anxiety - or with your mental health in general, please do reach out to a member of staff. We have had lots of opportunities to consider our work through the eyes of national employer engagement experts this week. Our visit to Smart Factory Expo was a wonderful experience for students and staff. We also had a visit from Baker Dearing Trust to hear about our exceptional opportunities for Health students. It is clear that the opportunities students receive here are some of the best in the UK.

Student Leadership Team

It is anti-bullying week this week and as has become a tradition in our school, the student leaders have distributed thank you cards to each form for students to write cards to those who have shown them kindness this week. Students have also been asked to nominate friends who have gone above and beyond for them and send in their email nominations so we can celebrate kindness. Our students have also been very busy wrapping parcels for the Christmas Appeal and sharing our justgiving link! Thank you so much to everyone who has donated so far, it means so much!

https://www.justgiving.com/crowdfunding/llstudiochristmasappeal?utm_term=Jeevr94bj



Gloriously Ready

Gloriously Unready is a new podcast which talks about navigating how to handle it when your children tell you they are transgender. This will support parents who are going through this - but also help others to examine what they really value about their children, their relationships, their lives - and why.

<https://podcasts.apple.com/gb/podcast/gloriously-unready/id1653385322>

Liverpool Community Grocery

The 'Community Grocery' is opening on the 15th November in Toxteth. The grocery will be providing fresh fruit and veg, baked goods, cupboard items, frozen food and toiletries that are all available for our members. Every shop is £4 for 12 items and an individual can shop twice a week at the grocery. As well as the grocery they will be providing wrap around care in the form of drop ins, courses, classes and groups that will be held throughout the day.

Word of the Week - REACTION

Definition: something done, felt, or thought in response to a situation or event.

Usage: *my immediate reaction was one of relief*

Definition: a chemical process in which substances act mutually on each other and are changed into different substances, or one substance changes into other substances.

Usage: *the chemical reaction was caused by a build-up of sodium salts.*

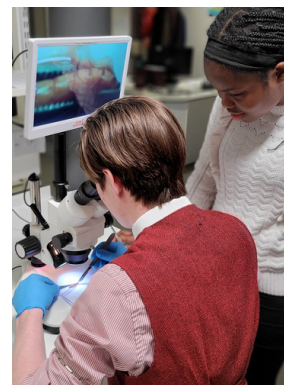
Definition: a force exerted in opposition to an applied force.

Usage: *In physics, we studied the law of action and reaction.*

Virtual Open Evening - 29th November, 5pm on Zoom. If you have younger children who are considering joining the UTC or Studio this September, or friends and family who are keen to find out more, please do let them know they can join us online on the 29th November to chat to Jill or Dr Moore about options at Year 9, 10 or 12.

Digital Health Team

Our Digital Health Team had a fantastic session using dissecting microscopes to practice surgical skills through operating on mealworm larvae and removing their guts intact. It was great to see how their technique developed as they got more familiar with using the microscopes in this way.



Principal's Online Drop in Surgery will take place on 24th November at 5pm. Join the zoom call if you have any questions, ideas or suggestions for Jill. Zoom links will be sent to you by email.

New Course - ADHD & Autism: Practical strategies to support behaviour
Lakeside School, Naylors Road, Liverpool, L27 2YA

20th January 2023, 9.30am - 2pm

Spaces for the event are limited and will be allocated on a first come first served basis.

Register here:

<https://www.witherslackgroup.co.uk/resources/adhd-and-autism-practical-strategies-to-support-behaviour/>



Engineering: This week, we have been at the Smart Factory Expo with our partners Autodesk, Bulgin, BAC, Vinci and Surface Transforms. Students particularly enjoyed the opportunity to drive a robotic dog as demonstrated by Teo and Joe along with Jayne Higham from the MTC!



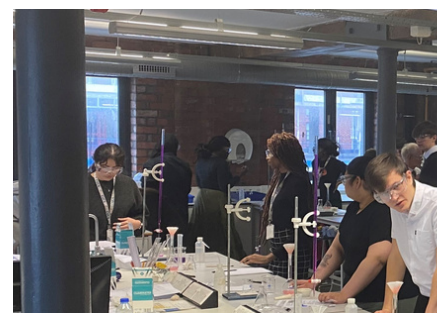
Chemistry: Year 10 have been exploring ionic bonding, and how the structures of ionic compounds can be used to explain their characteristic properties. Year 11 have been learning about the pollution problems associated with burning hydrocarbon fuels, and how we can minimise them. Year 12 have been investigating the energy content of different hydrocarbon fuels. Year 13 students have been investigating the mass of iron in iron tablets using redox titration.



Film: A level film students have been working on pre-production tasks this week, completing a five finger pitch. They are planning for their 5 minute short film for the creative production coursework.

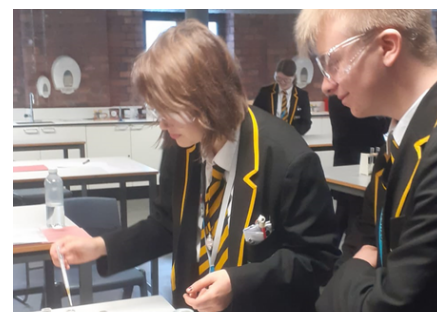
Science: Year 10 have been investigating the effect of pH on rate of amylase activity.

PBL: Ignite have been observing mealworm larvae using different visualisation techniques including a range of microscopes and lenses. They practiced anatomical drawing with some excellent results. Next week they will extract DNA from the mealworm larvae.



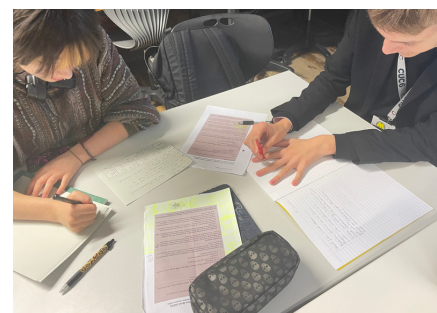
History: Ignite have been studying Jewish migration to Britain and the antisemitism they encountered. We learned how Marks and Spencer and Tesco were both founded by British Jewish men! Year 10 have completed their assessment on chapter 2 health. Year 11 are revising Elizabethan England ahead of the mock exams next week. Year 12 have been having written assessments to practice essay writing. Year 13 have been studying the Elizabethan religious settlement as well as revising.

Computer Science: Ignite and GCSE students had the opportunity to participate in the international Bebras Computing Challenge. Participants answered questions that focus on computational and logical thinking, thus developing a key skill required to solve real-world problems in virtually every sector. Any students reaching the top 10% in their age group will earn the fantastic opportunity to join the Oxford University Computing Challenge next term.



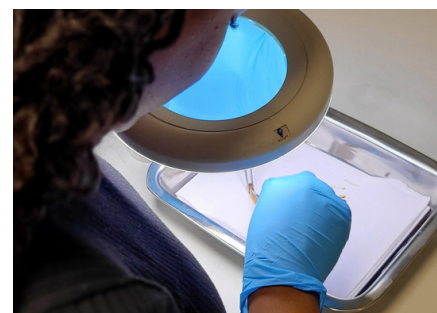
Health: We have had 2 guest speakers this week from Liverpool John Moores University to discuss career options and courses. Students benefited from a talk on Environmental health and Public Science delivered by the Programme Lead and a session by the Head of Child Nursing and a Student Nurse.

Social Scientists: Year 12 had a masterclass with local councillor Lucille Harvey. Lucille represents the Princes Park ward. She talked to students about the merits of being a local councillor.



Psychology: Ignite have learned about non-experimental methods in psychological research such as questionnaires and interviews, case studies and observational studies. Year 11 have studied the concept of obedience this week, learning about Milgram's famous electric shock study and his Agency Theory. Year 12 started their studies of biopsychology. They learned about the nervous system, neurons and synaptic transmission. Year 13 continued their studies on relationships, learning about filter theory, social exchange theory and equity theory.

Criminology: Year 12 have started to compare different campaigns to raise levels of public awareness focusing on changing laws. Year 13 have been further examining information sources such as law reports, trial transcripts and media reports for validity.



Sociology: Year 10 have been learning about family roles and their distribution. Year 11 have been learning about theoretical perspectives of crime and deviance and analysing their relevance to modern society. Year 12 have been analysing various factors that contribute to differences in educational achievement. Year 13 have analysed the theoretical and statistical evidence on whether class still exists in our society and the impact this has on life chances.