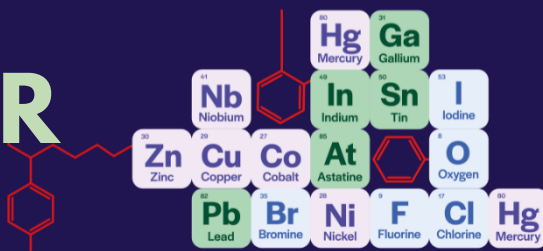


CUC NEWSLETTER

SPRING, WEEK 3



A very busy week with lots of opportunities to visit and explore. Students have travelled to a conference at Atlantic College, others have journeyed to London. Those in the building have also had some incredible experiences including participating in Dementia Friends training, using the Scanning Electron Microscope and participating in Holocaust Memorial Day. Year 13 had a wonderful visit from Shaping Futures to help them to prepare for university life - just in time for the UCAS deadline. We are so impressed with the offers students are now receiving and delighted that the hard work of preparing your statements has paid off. I am so grateful to staff for making these opportunities happen.

Integer - Awesome Tales - Before Christmas, Ignite students put pen to paper to take part in a writing competition. Students were tasked to produce a very short story, 100 words, with an Integer (a whole number) at the centre of the story. Students used a maths lesson to produce their stories, and 30 were submitted for judging. We have this week received a letter to say that 20 of these stories have been selected for publication in a book titled "Integer - Awesome Tales." Congratulations to all involved. We look forward to reading your stories when it is published on March 24th. We will make sure we purchase some copies of the book when it is published so we can show it off in our Little Libraries.



Visit from UCLan - On Wednesday, we had 8 visitors from the schools of Dentistry, Medicine and Veterinary Science at UCLan. Over 50 Students were able to hear about the range of courses available and how best to prepare for applying and succeeding in these competitive careers. The students asked some fantastic questions and showed a real interest, staying behind to continue speaking to the visitors at the end. The team from UCLan commented that they rarely see such engagement and interest at schools. Most importantly it was a chance for students to consider some of the additional routes into these highly competitive careers and some of the other fascinating and well-paid related roles such as physician associates or dental therapists and technologists.

Student Leadership Team

The student leaders had a big meeting this week, discussing lots of exciting upcoming projects as well as discussing topics that are important to the students. The students along with Miss Mallo are creating new little libraries around school and "book nooks", and Yasmin our literacy lead met with Jill and the Literacy team on Monday. The Student Leaders have put plans in place for the Year 11 prom and students have now all received letters with information about prom and reply slips to return. More information about Yearbooks and Leavers Hoodies for Years 11 and 13 will follow in the next few weeks.

Proposed Strike Action by NEU -

Wednesday February 1st

Please see the letter with full details about our plans for Wednesday.

- **Year 12 & 13 students will be in school as per their timetable commitments.**
- **Year 11 students will be in school for the full day.**
- **Ignite and year 10 - School will be closed to Ignite and Year 10. Students will be able to access activities and resources through Google Classroom which all students are familiar with.**

As set out in government guidance, provision will be offered for students who have identified vulnerabilities, these students will be invited to attend school in the coming days. Provision will also be available for students on key workers.

Careers Lessons - Year 11 students will be combining careers with starting to do their GCSE English: Speaking and Listening coursework. Their progress will be recorded using the school's innovative IRIS video and audio kit as part of their evidence. Ignite and Year 10 students will be using their career lessons to do lots of practice runs for the GCSE English: Speaking and Listening coursework to get them ready for when they have to do it in the future. Please encourage your child to engage in our school-wide focus on oracy, as it's part of our "Every Day Is An Interview" ethos.

Word of the Week - DETERMINE

Definition: to cause (something) to occur in a particular way or to have a particular nature: to ascertain or establish exactly by research or calculation: to firmly decide:

Usage: "It will be her mental attitude that determines her future." "The inquest is entrusted with the task of determining the cause of death." "My wife had determined that I must swap my old bike for a car"

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





Creative Media: Merryn from BBC Radio Merseyside visited school this week to talk about the BBC Apprenticeship application process. It was so interesting and offered an insight into the BBC.



Chemistry: Year 10 have been investigating the changes in pH that occur when calcium hydroxide is added to hydrochloric acid. To do this they have been using universal indicator paper and the associated pH chart to determine the pH after additions of small amounts of calcium hydroxide, and then representing their results graphically. Year 12 have been undertaking simple ion tests to identify the presence of sulfate ions. Their focus was on making accurate and sufficient observations in preparation for their required practical next week, in which they will identify 9 unknown compounds.



Social Sciences Pathway: The Social Science Pathway completed a session working with Dr Mitchell on the Electron scanning microscope examining finger prints and how powerful the microscope can be at detecting blood and small particles in the fingerprints. They discussed how this would be important in a crime scene and how this would be used as evidence in court.



Psychology: Year 10 have learned how the brain develops in the womb and the different structures of the brain. Year 11 are studying brain and neuropsychology this week and learned about neurons and synaptic transmission where they used sweets to learn how to label each neuron correctly. They also used sweets to show synaptic transmission. Year 12 completed their studies on research methods on Monday learning how to answer the 12 mark design a study questions. They moved onto their first paper 1 topic; Memory learning research into short and long term memory. Year 13 studied deindividuation, institutional aggression in prisons and how the media affects aggression.



LSTM 125th Anniversary Project: Students from years 10 and 12 have made great progress with their work on the innovators in tropical medicine to celebrate LSTM's 125th anniversary. We have a wide range of topics from the impact of Alwen Myfanwy Evans on tropical medicine to 3D designing and modelling disease vectors and reproducing detailed entomological drawings of mosquitos. Some groups are tackling themes such as the role of the female innovators in tropical medicine and the "tainted benevolence" of some of the early funders of LSTM such as shipping magnates such as Alfred Lewis Jones. We will visit LSTM on 22nd February so that students can present their research so far and get feedback from academics.

Year 13 EPQ: Our year 13 EPQ group have been completing their final presentations. Caleb talked confidently about how he has set up a 3D design, printing and support service for science labs. Joe presented his outstanding work designing and constructing a wind tunnel and comparing his results to those obtained from Computation Flow Dynamics (CFD) and Jack engaged all with his work on how major aviation disasters have led to advancements in passenger safety. Last week Erin presented her work setting up a veterinary skills training suite at the UTC to a visiting vet. What a talented bunch of young people!



Enterprise: Dr Maggie Cooper, a social entrepreneur who with her husband started up Wake up Wallasey, delivered a session to Year 13 enterprise students.

History: Year 9 have been studying the work done by women during the First World War. Year 10 have been studying medical developments that took place during the First World War and Second World War. Year 11 this week have focused on America entering the Second World War. Year 12 have looked at Henry VIII's divorce and year 13 focused on Elizabeth's government.

Health: It has been a very exciting for the cadets this week. They have been completing their induction programme at Aintree Hospital and building the skills and knowledge they will need to be the next generation of healthcare professionals. Our Year 12s have also been focused on building key employability skills this week and participated in Dementia Friends training with the Alzheimer's Society. Congratulations on becoming trained dementia friends!

Applied Science: Year 13 students have completed their January Exams this week. Year 12 have moved on to the scientific skills unit where they are learning about statistical analysis using standard deviation and chi squared methods. Year 13 students are now starting coursework units including electrical circuits and investigative projects where they will be studying the antimicrobial properties of a range of natural substances including, honey, garlic, blackseed oil and ginger.

Criminology: Year 12 have been discussing the social construction of criminality plus viewing criminality from a genetic theory standpoint. Year 13 have been analysing the two models of criminal justice and looking at the organisation and relationship between agencies in the criminal justice system.