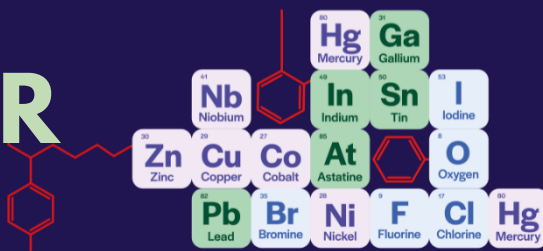


# CUC NEWSLETTER

## SUMMER, WEEK 1



Welcome back to another term in the CUC Building. I hope you have had a wonderful break and are rested and ready for the summer term. We have a few very busy weeks ahead so please do keep an eye on the website and social media for all the details. Next week there is planned strike action on Thursday 27th April. We are prioritising our Year 11 and 13 students to attend on strike days with their exams fast approaching.



**United by Music, Driven by Hope** -The British International School, Ukraine (BISU) has joined hands and hearts with Liverpool Life Sciences UTC and Global School Alliance to craft a powerful video message of togetherness, hope and solidarity. The timing of this project is no coincidence, it commemorates the Eurovision Song Contest with its values of universality and inclusivity and its proud tradition of celebrating diversity through music.

### 3 Day Free Summer University Residential for Year 12 Students

LJMU will be hosting a Summer University Residential. From the 5th to the 7th of July, students will have the opportunity to discover what being a university student is all about and delve into a subject area of their choice. It is FREE to attend with luxurious student accommodation and meals all funded. Participants may be eligible for a reduced entry offer of up to 16 UCAS Points lower. For more information on the courses offered and the eligibility criteria, visit the link below - <https://tinyurl.com/y8y7curs>



**Online Courses for Parents and Carers** - Liverpool have committed to funding the provision of a range of Solihull online courses for parents and carers. Courses come in a variety of languages via google translate and can be accessed online or via the Solihull mobile phone app for FREE. Two of the brand new courses for families to access are:



- Understanding the impact of the pandemic on your child
  - Understanding the impact of the pandemic on your teenager
- <https://sway.office.com/VODnIazt6OTEwcfj?ref=Link>

### Useful Dates -

- 27th April - Strike Day
- 1st May - May Day Bank Holiday
- 2nd May - Strike Day
- 3rd May - Year 10 Parents Evening - close at 1.30pm
- 8th May - Coronation Bank Holiday
- 10th May - Year 12 Parents Evening - close at 3pm

**Update on Maths Homework** - Maths homework for Year 10 and Ignite will now be via [www.sparxmaths.com](http://www.sparxmaths.com). Homework will be set every Monday, due in the following Monday. In class this week, students were given an introductory lesson to Sparx Maths, and started their first homework. More information on Sparx Maths can be found on our website.

**Student Leaders** We have been planning to support Miss Mallo with upcoming Arabic and culture week and more information will follow about this! The prom committee have been making all the decisions on food and decor and designing the year books. Year 11s have been given letters for this and they are also on classroom. Final prom payments need to be made.

### Word of the Week - DEMOCRACY

Definition: a system of government by the whole population or all the eligible members of a state, typically through elected representatives.

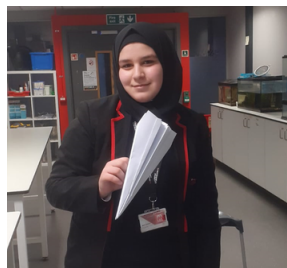
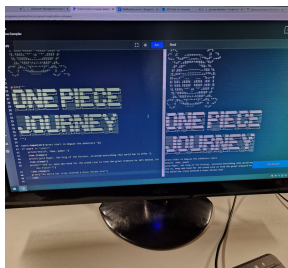
Usage: "The nation has chosen democracy over monarchy."

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



**NHS England are pleased to announce THE WINNERS of the Student NHS Challenge** – Massive congratulations go to students who have recently participated in the Student NHS Challenge alongside students from across the UK. It is fair to say the Life Sciences UTC swept the board and NHS England were very impressed.

- **FIRST PLACE** goes to Charlie Lyons from Liverpool Life Sciences UTC for his innovative idea of VR Sensory Rooms. He wins a Oculus Quest 2 VR Headset for Liverpool Life Sciences UTC and a £20 Amazon Voucher for himself.
- **SECOND PLACE** goes to Harvey Harwood from Liverpool Life Sciences UTC for his presentation on a Machine Learning Bionic Arm. He wins a £10 Amazon Voucher
- **THIRD PLACE** goes to Tasnim Al Khawalda, Danya Rasul and Taqua Azzabi all from Liverpool Life Sciences UTC for their project on the use of Augmented Reality/Merge Cube Technology to help children engage with medical treatment. They win a £5 Amazon Voucher each.



**Sociology** - Year 13 have been investigating methods of crime prevention and have been able to apply this knowledge to complete exam questions. Year 12 conducted a small scale observational study on student behaviour inside and outside of the class room. This allowed the students to become social researchers by working overtly in the field. The conclusions drawn from their findings included that revising in groups was less effective than revising alone. They found that the majority of students sat in groups socialised rather than revised, in contrast with students sitting alone who appeared to be revising. Year 11 have been working hard to prepare for their exams by considering the strengths and weaknesses to different research methods. Year 10 have been studying the impact of sets and streams on educational achievement. The students have been using social researchers, such as Paul Willis, to evidence the strengths and weaknesses of the labels attached to students depending on their perceived ability.

**Computer Science** - Students are starting to develop a text based adventure game as their final project for the entry level Computer Science course. The image is an example of ASCII art implemented as part of the game by Year 9 student Enzo.

**Chemistry** - Year 10 have attempted their first titration to determine the concentration of a solution of sodium hydroxide using a standard solution of sulfuric acid. They had used some of the equipment before but had not done a full titration, so they were given a comprehensive set of instructions and left to have a go, they did really well!

**Enterprise**- Callum in Year 12 attended Liverpool University on 12th – 14th April to complete a mini programme on business start-ups organised by the Brett Centre for Management and hosted by Richard Leighton. In the 3 days several entrepreneurs hosted presentations and the students started to think about a business idea. On the final day the students (many from HE ) had to present their ideas to the panel and Callum received 4th prize and £250 towards his business proposal.

**Engineering Enrichment** - Champion paper aeroplane design sessions this week! Determination and innovation gave a winning design. Well done to all.

**Engineering** - This week we have been joined by Thisen Bird from Bulgin. This is the culmination of our year 13 CAM project where students have been prototyping and validating one of the Bulgin fibre optic connectors they are developing. Thisen also delivered a masterclass on fibre theory for Year 12 physics students and STEM design sessions with year 9 and 10 students.

**English** - Ignite have started studying Shakespeare for their new module this week ahead of National Shakespeare day on the 23rd April.

**History**- Ignite are studying the effects of new weapon development during World War One. Year 10 are learning about Elizabeth's Royal court and privy council. Year 11 have been focusing on the feminist movement in the 60s and 70s and the final causes of world war 2. Year 12 are studying Henry VIII's final years. Year 13 are revising Elizabeth ahead of their exams.

**Social Sciences Pathway** - This week, some students have been out on work experience. One has been spending time at a law firm and another is currently working for an MP and both are really enjoying it so far.

**Psychology** – Year 10 have started studying psychological problems. They will be exploring diagnostic tools used to diagnose mental health disorders and how such disorders affect the individual and society. This week they started exploring the biological and psychological explanations for depression. Year 12 learned about the two main explanations for attachment, learning theory and Bowlby's monotropic theory of attachment. Students also received their PPE results and had time to analyse their responses and use the mark scheme to fill in their knowledge and understanding gaps.