

CUC NEWSLETTER

SUMMER, WEEK 13

Sometimes, we lose sight of just how special it is to be part of our schools, but when I read through all the experiences in even just this one newsletter I see how many opportunities our young people get to learn, to build skills, to network and to stand out. It really is an extraordinary place.

It has been another amazing year and it has been a pleasure to share the highlights of it with you each week. All that remains is for us to wish you a happy, safe and relaxing summer. We very much look forward to seeing you again in September.



Year 12 Engineering – Autodesk Certified User Exams

Massive well-done to 6 of our Year 12 Engineering students Lucy, Ammar, Joe, Pawel, Kacper and James who have all passed their Autodesk certified user exam in Autodesk Fusion.



Urban Beekeeper Trip

Students from Ignite and Year 10 visited the Urban Beekeepers Association at Flourish, a community garden on the Wirral. They donned Bee keepers suits to open up the hives and look inside, then they extracted honey from frames of honeycomb. We got to take the honey we made home! Axel (Ignite) also set up an experiment to see if bees can be dissuaded from eating sugar water by adding the harmless chemical quinine. This is part of a project to try and reduce the impact of harmful pesticides on bees. This was a very unusual and interesting experience, and celebrates a year of collaboration with the Urban Beekeepers Association; looking forward to more bee adventures next year!

Miss Allasons' Maths Conundrum <https://ukmt.org.uk>

Last week's answer was D, 3/8

In Fred's field there are some humans and some horses.
There are 25 heads in total and 60 legs in total.

What is the difference between the number of humans and the number of horses?

- A 3 B 7 C 9 D 11 E 15

UCAS Dates

Research completed based on UCAS grades from Summer 24 - 04/10/24
Personal Statement completed and checked (Unifrog) - 04/11/24
All UCAS forms completed and submitted for checking - 29/11/24
Update of UCAS grades following November PPEs - 12/12/24
Internal deadline for UCAS forms to be sent by the Coaches - 15/12/25



University of Liverpool Maths Trip

10 of our students attended a problem solving AMSP event at the University of Liverpool on 15th July. They explored relativity, topology, real life graphs, and much more! This enabled students to begin thinking about mathematics post GCSE and engage them in super curricular activities!



Geography trip to Wirral and New Brighton

We went on two Geography trips to the beach at Wirral as part of the students GCSE coursework. They were two amazing days which the students enjoyed immensely. The first was last month and the second one this week – the second cohort had to wait until the day when at last we got good weather! It is a vital part of our school life that we sometimes get out of the classroom and study in the outdoors – translating theory learnt in the classroom to practical experience in the field. We learnt about the effect of erosion on rocks on the beach, for Paper 3 GCSE. After that we went to New Brighton to see the sea defences and record some more Geography data. The weather for both trips, eventually, was perfect!!



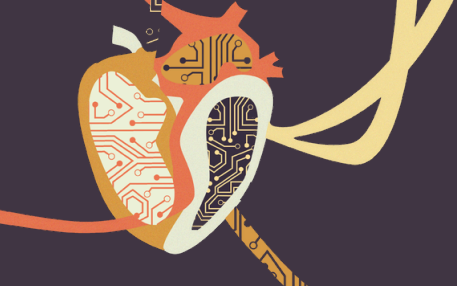
'Crime Day'

This week our Year 10 and 12 Social Science students had the privilege of attending a talk on Forensics and Criminal Profiling from the very prestigious (and famous) Professor Craig Jackson, this closely linked to units being studied at A level. Visiting Year 10 students from Meols Cop School were then invited to visit a 'Crime Scene' in the Social Science Department, where they were given the opportunity to visit a crime scene, view the forensic evidence, listen to a 999 call and interrogate suspects. The objective was to discover who committed the crime based on the evidence! It was a great day and enjoyed by all.

Word of the Week - QUINTESSENTIAL

Adjective: representing the most perfect or typical example of a quality or class: Usage: "he was the quintessential tough guy—strong and silent,"





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Cadet Training Camp

Recently, our cadets attended the annual summer camp at Altcar Training Camp, organized by the HQNW Cadet Training Team, providing a chance to put their year's training into practice. Highlights included a tire-flipping competition to build teamwork, with Team 1 flipping it 180m and Team 2 achieving 120m. Cadet West and Cdt LCpl Priyanshi Pansotra were assessed in a first aid competition, graded on managing a multi-casualty situation. Additionally, Cdt LCpl Priyanshi Pansotra confidently briefed her section on a plan to capture a village, demonstrating excellent leadership and communication skills.



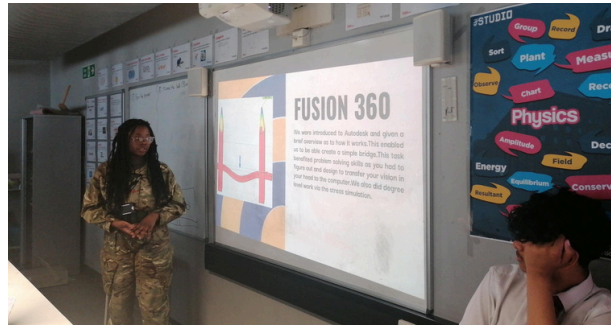
Dr Ashley King Solar System Masterclass

Dr Ashley King from the Natural History Museum in London gave a Masterclass today to Ignite. Ashley spoke about his work analysing samples brought back by spaceship from Meteors and collected from samples which have crash landed on earth. There was a lively question and answer session after the talk, with questions about Ashley's work and about the wider subject of space. We first met Ashley when he worked with us on a scanning electron microscope project supported by Hitachi and the Royal Microscopy Society; this has led to today's masterclass and to opportunities next year!



How Science Works

Ignite students have been learning about non Newtonian fluids in How Science Works. They learnt some tips about how to help someone stuck in quicksand, then made their own non Newtonian fluid and tested it to see if it was a solid or a liquid; their conclusion.... It depends on the circumstances whether it acts as a solid or a liquid.



Ignite STEAM

Both ignite STEAM groups came together on Tuesday to present their work from this term. Presentations covered a diverse range of topics, including making rockets, leaf cutter ants, designing jewellery influenced by leaf shapes, Arabic cooling towers, bridge design, dyes from vegetables, deep sea mining and more.

Attendance Rewards

This week, our Year 9 and 10 students were treated to a pizza and cake afternoon, where Vision for Education kindly provided dominoes pizza free of charge. This was a great end of year treat for our students!

Our Year 12 and 13 students who achieved 95% and above attendance or have improved on their attendance were treated to a cinema screening of a popular movie in our state of the art cinema.

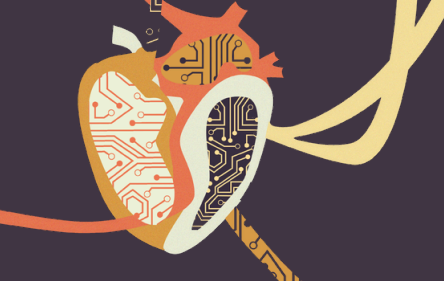


Masterclass by Lizzie Acker Great British Bake Off Star

Lizzie Acker, widely known as a popular contestant on Channel 4's 'Great British Bake Off', is an amateur baker from Liverpool who reached the quarter-finals with her talent. Open about her ADHD, dyslexia, and dyspraxia, Lizzie works to raise awareness about these conditions. Lizzie recently delivered a masterclass to our Year 9 students, on how neurodiversity and learning disabilities can be supported in the workplace, and sharing her own lived experiences. Since her participation in GBBO, Lizzie has become a prominent advocate for neurodiversity awareness, collaborating with charities, TV programs, and media outlets to challenge stigmas and promote understanding of neurodiversity.

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.



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Arabic Immersion Programme

As part of our Arabic Programme and our partnership with QFI, our students enjoyed a 3 day Arabic Immersion Programme at Northumberland University in Newcastle. They experienced life at university and enjoyed learning about Arabic Culture and Language. Our students enjoyed different hands on activities along with cuisine, music, drama, art workshops and learned how to communicate in Arabic. This was a great opportunity for both Arabic and non-Arabic speakers to discover a passion for such beautiful language.

Work Experience on a final week of school.

During our last week of term our CUC6 Sixth Form students have been out on work experience placements with the following businesses.

- <https://www.arm.com/>
- <https://www.gov.uk/government/organisations/sellafield-ltd>
- <https://www.vinci-building.co.uk/>
- <https://www.beverston.co.uk/>
- <https://www.mast-group.com/uk>
- <https://www.the-mtc.org/>
- <https://www.nexatrak.co.uk/>
- <https://www.futurelearn.com/>
- <https://www.liverpoolft.nhs.uk/>

Ignite Digital Showcase

Our Year 9 students have conducted research-based projects in one of the following areas:

- Solar Distillation Devices
- Designing Animal Enclosures
- The Science of Bees & Honey
- Competitions & Industry Briefs
- Microscopy (SEM) Projects

If you would like to see our students work then please head to <https://sites.google.com/lifesciencesutc.net/balticresearchinstitute/research/ignite-pbl>



BRI Journal

A fascinating dive into the research carried out by students in the Baltic Research Institute at Liverpool Life Sciences UTC.



In this edition, read about the potential of bacteriophage viruses in the fight against AMR and an affordable bionic arm concept designed and developed by one of our students.



Baltic Research Institute Journal

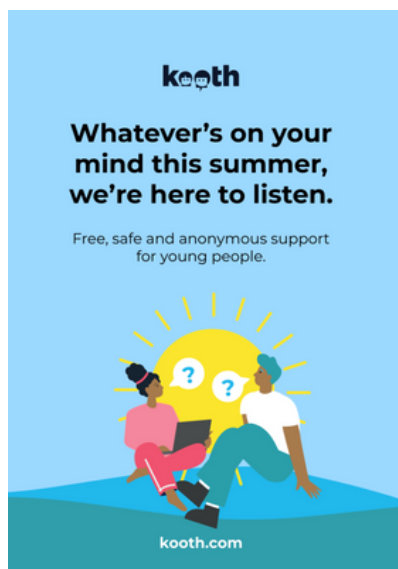
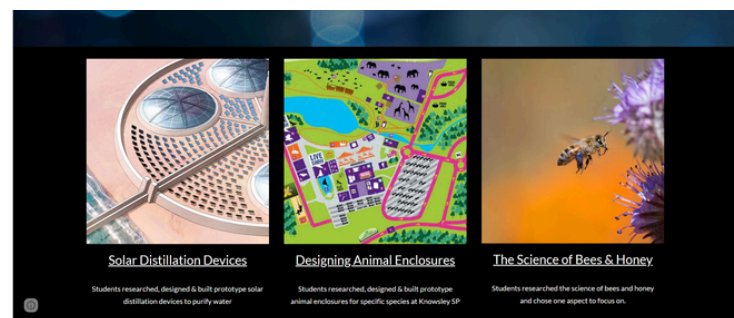
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<https://sites.google.com/lifesciencesutc.net/balticresearchinstitute/journal>



SEND Family support during the holidays

Over the summer holidays, there are a range of local services which provide continued support for students with Special Educational Needs and Disabilities (SEND). The local authority offer a range of resources and activities designed to maintain engagement and progress during the break. Check out their workshops, groups and support sessions online at <https://fsd.liverpool.gov.uk/kb5/liverpool/fsd/results.page?searchtype=event&start=20240730&end=20240730>



KOOTH is still here to support young people during the summer holidays!

Over the last academic year, an Engagement Lead for Kooth has worked closely with staff in school to deliver training on all aspects of how Kooth works and supports your child. As well as all students having the opportunity to hear much more about Kooth, a range of physical and digital promotional resources are being used around school to promote the service & remind students Kooth is here to help 24/7 365 days of the year. Kooth offers free, safe and anonymous access to online wellbeing support and advice

for children and young people aged 10 to 25 across Liverpool. The registration process is quick, anonymous and safe. Using non-identifiable information, Children and Young People can access support, simply by registering at www.kooth.com



Liverpool Baltic Station

Liverpool City Region Combined Authority (LCRCA) has secured £100m to build a brand-new railway station, called Liverpool Baltic, on the Northern Line of the Merseyrail network. The station will be close to the Baltic Triangle at the junction of Parliament Street and St James Place. It will be midway between Liverpool Central Station and Brunswick Station. We would like to reach out to as many residents, businesses and communities within the surrounding area as possible to let them know about forthcoming developments and give them an opportunity to have their say either by attending in person events or completing the survey online

<https://tinyurl.com/3kc4xb9k>

There will be two public, face to face events:

- Baltic Creative CiC 16th July 11am – 8pm
- Toxteth FireFit Community Hub 23rd July 11am – 8pm

The consultation will take place between 8th July until 4th August and we'd appreciate if you could please share our survey and details of the events with your contact and networks on our behalf.