

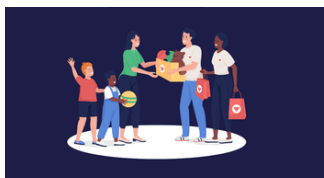
# CUC NEWSLETTER

## AUTUMN, WEEK 5

This week we celebrated our Tenth Anniversary. It was a fantastic opportunity to get together with former students, staff and our business partners to celebrate the hard work and achievements of the last ten years. We loved catching up with alumni students who had travelled across the country to be with us and hear about what they are doing now. They are doing inspiring things and reminded us just how many doors are open to our young people when they finish with us. Our current students had the opportunity to share their project work with our attendees and gave professional explanations of their work.

### Christmas Appeal

We aim to support up to 100 families in our school community who struggle with the cost of living and buying food this upcoming Christmas. We intend to raise as much as possible towards buying these families small gifts and 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.



### Word of the Week - OMINOUS

Definition: giving the worrying impression that something bad is going to happen; threateningly inauspicious:

Usage: "There were ominous dark clouds gathering overhead"

**3938**  
total students

Project winners of:

<b>2023</b> Innovation Award at Teen Tech Awards Biosensory Room at Alder Hey Hospital	<b>2023</b> IRIS Awards - Research team of the Year	<b>2023</b> Business of Science Conference - Innovation Awards 14-17
<b>2023</b> Nano-Robot Dentist using DNA Origami Technology. Business of Science Conference - Innovation Awards 18+	<b>2023</b> Developing Low Cost Technology for Interpreting Myoelectric Signals to Produce Bionic Prosthetics Unilever Digital Award	<b>2023</b> Big Bang Competition - Senior Scientist Award - Viruses, the next phase for antibiotics
<b>2022</b> Big Bang Competition, Young Scientist of the Year - Adaptive Variation Across Avian Species	<b>2021</b> Stockholm International Water Prize - Hydrofiliicity	<b>2021</b> Amazon Longitude Explorer Prize - Plasticivore
<b>2020</b> DSTL Callisto Moon Base Challenge	<b>£391,563.57</b> spent on technical kit	<b>14,040</b> number of hours doing industry-focused Project Based Learning

Studying 9 different pathways including:

- Medicine & Veterinary
- Engineering
- Creative
- Social Science
- Games Design
- Life Sciences
- Tech
- Applied Sciences
- Health

Who went on to 109 different universities

from 128 secondary schools across SIX local authorities

11 animals

And work with 64 businesses locally & nationally

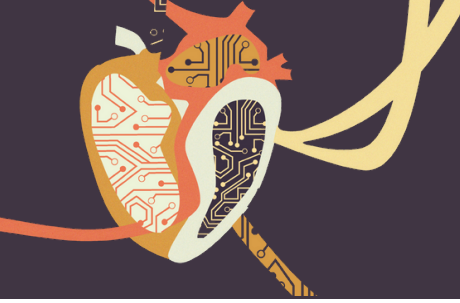


### Year 10 Assessments Information and Resources:

On Wednesday October 25th all year 10 students will sit assessments for English and Science. In Science they will sit three one hour assessments, one each for Biology, Chemistry and Physics. The outcomes of these assessments will provide us with information to help us guide students on the most appropriate qualification for them, be this the triple Science or Combined Science pathway. To support students in preparing for this we have built a google classroom containing lesson and revision resources (class code n3fyofr), as well as links to our bespoke GCSE Biology/ Chemistry/ Physics revision websites (students must be logged in to their school email to access these). In English they will sit their end of module assessment, which is a 1 hour session for a creative writing piece.

### Open Evening - 12th October 2023

Our next Open Evening is on the 12th October - if you have family or friends who are keen to join us, sign up online to come along.



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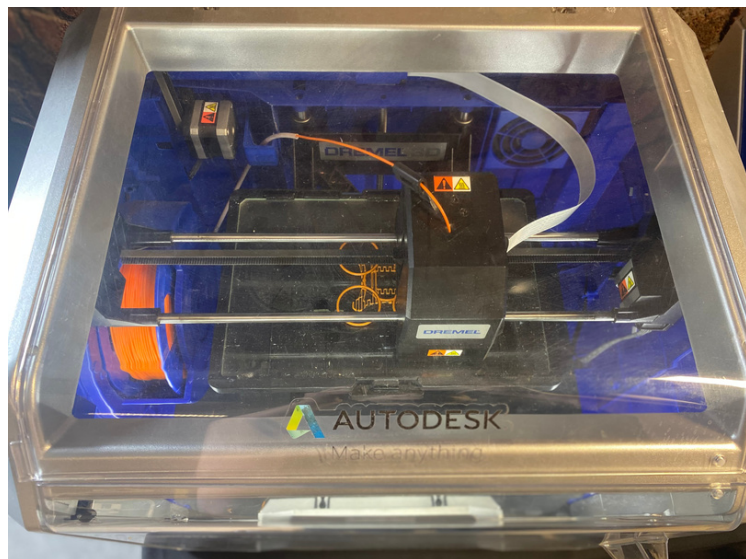
### Focus on Social Sciences

This week, year 12 Psychology students are studying the biological approach in psychology exploring hard determinism long with Sigmund Freud's Psychodynamic Approach. The psychodynamic approach challenges students to explore the unconscious mind and the impact this has on our behaviour. In this approach students also explore the psychosexual stages of development and develop an understanding of Freud's Oedipus and Electra complex. Next week, year 12 students will sit their baseline assessment where they will be assessed on the origins of psychology, the behaviourist approach and social learning theory. Year 12 Criminology students have been looking at different forms of media and their representation of crimes, analysing for content such as song lyrics and film.

### Focus on Engineering

Student Mika, and Engineering Lead, Dan Howard have this week had a blog published by business partners Autodesk. Their article explains our teaching philosophy, working with Autodesk fusion 360 design and manufacture workspace. You can read their work here: <https://forums.autodesk.com/t5/education-voices-blog/who-is-an-educator/ba-p/12085572>

In the classroom, students have been completing their Autodesk Airineers project.



### Focus on Computer Science

Year 11 and 12 have had an exciting opportunity this week to participate in a wider curriculum lesson with engineers from ARM, including former Studio student Niall Stewart. They enjoyed a practical workshop using robots to build their understanding of skills for the future.



**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.

