

UTC Newsletter

Engineer Your Future

New workshops open ahead of schedule in July 2022



The Energy Coast UTC's new, state of the art, engineering workshops equipped with all the latest engineering, civil engineering, CAD/CAM, robotics and 3D printing equipment are almost complete. Eric Wright's team of construction workers, project managers and sub-contractors



have worked tirelessly to keep the project ahead of schedule. Students and staff have been fortunate enough to incorporate the building of these fantastic facilities into their already robust curriculum with regular site visits, guided by the expert project managers, to experience a wide variety of engineering and construction techniques.

With the handover day fast approaching, attention has

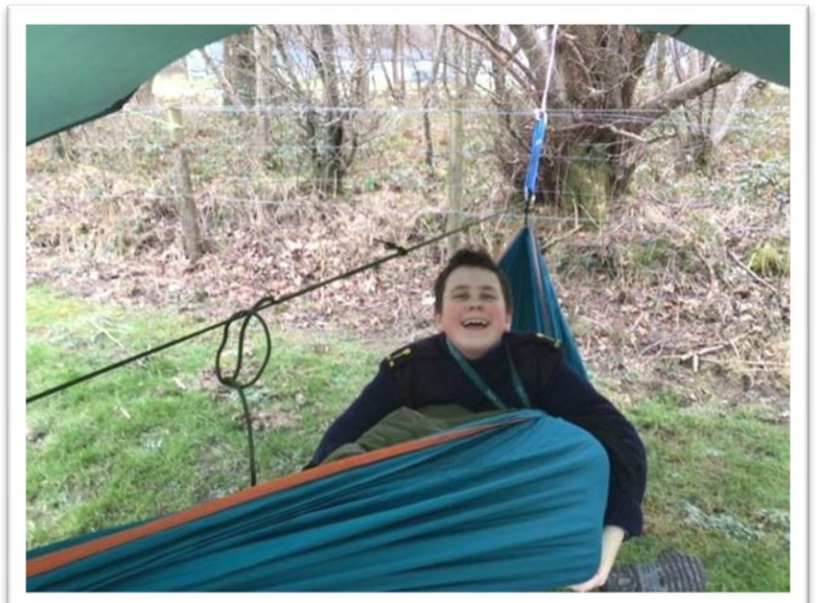


shifted to the logistics of the opening ceremony. Dignitaries, parents, students and community leaders will all receive invitations for the event on the 7th of September.

Great Tommy Sleep out

The Great Tommy Sleep Out is a fundraising challenge designed to support the estimated 6,000 veterans that are experiencing homelessness in the UK.

During the month of March, students braved the cold night to sleep out under

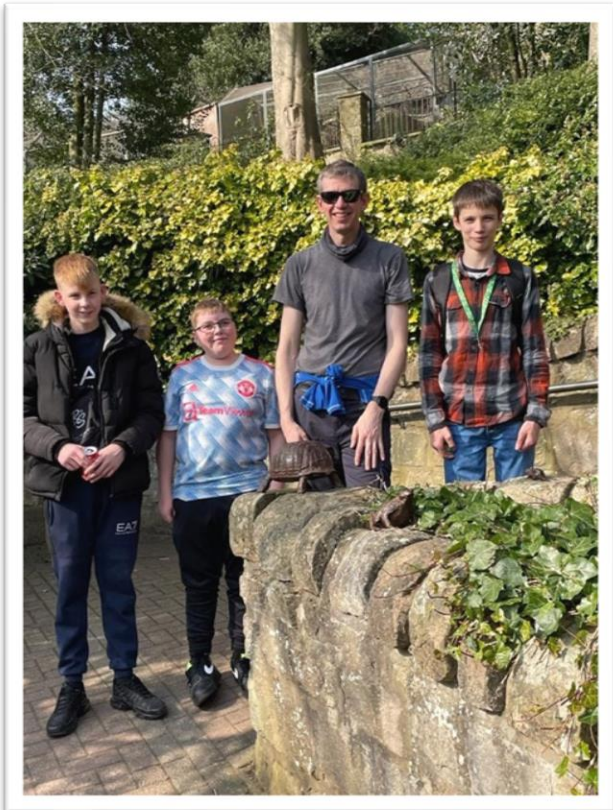




the stars while fundraising for our most vulnerable veterans. The challenge didn't replicate rough sleeping, but did shed some light on the reality of the situation that far too many of the nation's heroes find themselves in. Students gave up their comfort for those that gave their lives! Students and staff settled down at around 10pm. Conversations and contemplations on the strife experienced by some of our veterans were had whilst the resident Tawny owls called hauntingly in the distance. Thanks must be given to; Mr Alexander, Ms Jenkins, Mr Coulson and Mr Blackwell for making the evening possible and supporting our students; Alex Hunter, Caitlin Foxwell, Olivia Greig, James Donaldson, Brandon McGee, Molly Hodgson and Tom Coulson.

[Trip to Edinburgh](#)

This English department recently organized a multifaceted trip to Edinburgh that took place between the 23rd and the 25th of March. The trip took in the sights and sounds of Edinburgh enriching our student's cultural capital by



exposing them to the rich, historic and eclectic culture of Edinburgh. Students visited Hollyrood Palace, Edinburgh Zoo, Edinburgh Castle the theatre and many other places. Our Facebook page has numerous photographs from the group's exploits – follow us on social media to see all the photos.

<https://www.facebook.com/EnergyCoastUtc>

<https://twitter.com/energycoastutc>



Student of the term

Each term we celebrate academic excellence through the awarding of achievement certificates and prizes to the students who embody the true meaning of what it means to be a UTC student. In addition to our academic achievement awards this term, the pastoral department would like to particularly highlight two categories this term – Most achievement points earned and 100% attendance for the term. To find out which of our illustrious students have been recognized as our shining lights this term, follow us on social media and share the good news with friends and family.



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UTC Heavily Oversubscribed

The UTC has been inundated by unprecedented demand for a chance to study at the UTC in the 2022-2023 academic year. So great was the demand that our first open evening saw record numbers of potential students and parents queuing up to get a place. The open

evening was soon followed by record numbers of applications by students wishing to take one of the highly coveted places in our year 10 or 12 cohort. The UTC is now heavily oversubscribed for year 10 in 2022/2023 and only has 4 places remaining for year 12.

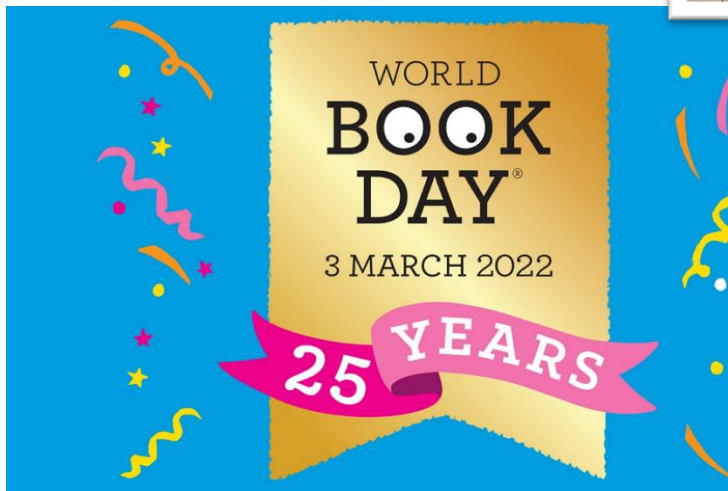
Women in Engineering

As ever, the UTC students are keen to showcase women's role in engineering and construction. The 6th form female students (right) recently spoke publicly about their experience of how the Energy Coast UTC has helped to engineer their future.



Subject News

English – World Book day



The UTC recently celebrated World Book Day with a 'Book and a Brew' in our lovely sixth form centre. Students and staff from different year groups and subjects came together to relax with a tea or coffee and some of our best fiction reads. It was so successful that students have now asked for a 'Feet Up Friday' each week, where, during their breaks, they can relax with some of their favorite authors.

The English department's trip to Edinburgh was a great success! Not for the faint-hearted, students explored the old town of Edinburgh on ghost tours

and had a spooky experience in the Edinburgh Dungeons. They also had the chance to investigate the different species of animals in Edinburgh Zoo and learn about our history in Edinburgh Castle. The trip culminated in what else - but a trip to the theatre to see "Six". A cultural trip of this magnitude will be remembered for years to come.

English Literature – Student of the Term

Year 10: Alfie Cape

Year 11: Ellie Telford

English Language – Student of the Term

Year 10: Derren Tyson (pictured on the right)

Year 11: Caity Snell



Engineering – The Royal Navy Challenge – UTC Gets to the Final

A few weeks ago, Lieutenant Commander Youngman visited our Royal Navy Challenge team to congratulate them personally on the incredible team spirit that they have shown in getting to this year's regional final. Our students were only too keen to learn from his experience and advice on taking part in the finals. Lieutenant Commander Youngman also spoke to students about the Industrial Cadet gold and silver awards that the team will be eligible for - these awards are equivalent to the Duke of Edinburgh wards but focus on all things engineering. These are prestigious awards that will help the students stand out from the crowd by giving the team members valuable skills and experience that will help them succeed in their chosen careers. Good luck to our team in the final!



UPDATE: Energy Coast UTCT won the regional finals and now has a place in the national finals!

Engineering department – Student of the Term

Product Design year 10: Jaya Sparshott

Product Design year 12: Anya Hooper

Engineering year 10: Olivia Greig (Pictured on the right)

Engineering year 11: Evie Lewthwaite

Engineering year 12: Phil Sewell

Engineering year 13: Lucy Corlett

DEC year 10: Finley Lowden

DEC year 11: Caity Snell

DEC year 12: Blain Ewing

DEC year 13: Sarah McClellan

Construction year 10: Tia Moore

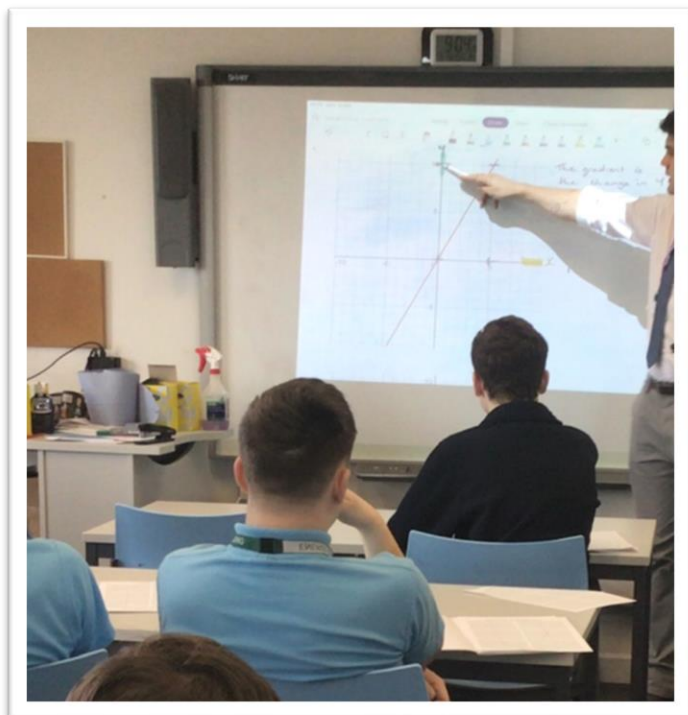
Construction year 11: Kiera Poland

Construction year 12: Ben Wedgwood

Construction year 13: Matthew Opie



Maths – Real Life Money!



The maths' department have been delighted to bolster their ranks in the past few months with the addition of two student maths teachers from Edge Hill University. Miss Rowe and Mr Varley



have both joined the UTC on a 6-week placement and have been teaching in the department across a range

of classes. They have also supported in form time and worked with some of the Year 11 students as they prepare for their summer exams. We are proud as a department to play a role in bringing through the next generation of dedicated maths teachers.

Maths – Student of the Term

Y10 - Girijan Puthran (Pictured)

Y11- Michael Garth-Graham

Y12 - Kai Turner

Y13 - Blaine Graham

Cyber Security – Cyber Conference

During the second week of February, the UTC and NDA hosted a National Cyber Exercise with participants from all over the UK carrying out an investigation based on an attack on a nuclear site. The countries and situations were all fictional but gave those taking part the opportunity to use their skills and knowledge in a real-world scenario. On the Thursday, conferences were held between industry specialists, discussing legislation and policies, technical mitigation methods, and the impact on people and businesses. Guests included Liz Wright from BEIS who has written the Civil Nuclear Cyber Security Strategy, Paul Shanes from ONR who discussed Cyber Security Leadership, Governance and Risk Management, Sam Maesschalck who is a PhD student from Lancaster University and demonstrated Honeypot Deployment within ICS environments. The conference was very informative with the learners showing recall and understanding from topics discussed on the Level 3 Cyber course. The following link is a virtual exhibition with more information: [Virtual Cyber Exhibition \(ndalive.co.uk\)](http://Virtual Cyber Exhibition (ndalive.co.uk))



Cyber security – Student of the term

Year 12: Jack Thornton

Year 13: Daisy Thomas

Science – Escape Room



As always, a lot is going on in science at the moment. Year 10 students are embarking on a journey of understanding about how activity levels and diets affect us as we grow older. Year 12 students are currently mastering

the skills needed to become laboratory microbiologists, whilst Year 11 and Year 13 students are underway with preparation for their final examinations. Further to this, the science department are working to improve literacy across all years, to support the students to access more advanced scientific literature that would benefit them in the transition to the working environment.

The science department are thrilled to be able to engage with local primary schools by offering a science day – with a twist. Students have one goal – to escape from Azkaban! To do this successfully, students must first undergo a series of magical themed lessons with a scientific twist – then their learning is put to the test with a time limited escape room themed around the wizarding world of Harry Potter. Schools from as far afield as Wales have responded with contagious enthusiasm, but sadly the number of spaces are limited.

Finally, a plea from the science department, we are looking to enrich our student's understanding of the climate emergency that is global warming and seek professionals in the field to provide external input on how it is affecting approaches to engineering and the environment. If you can provide expertise, please contact Richard Horton at Richard.horton@energycoastUTC.co.uk

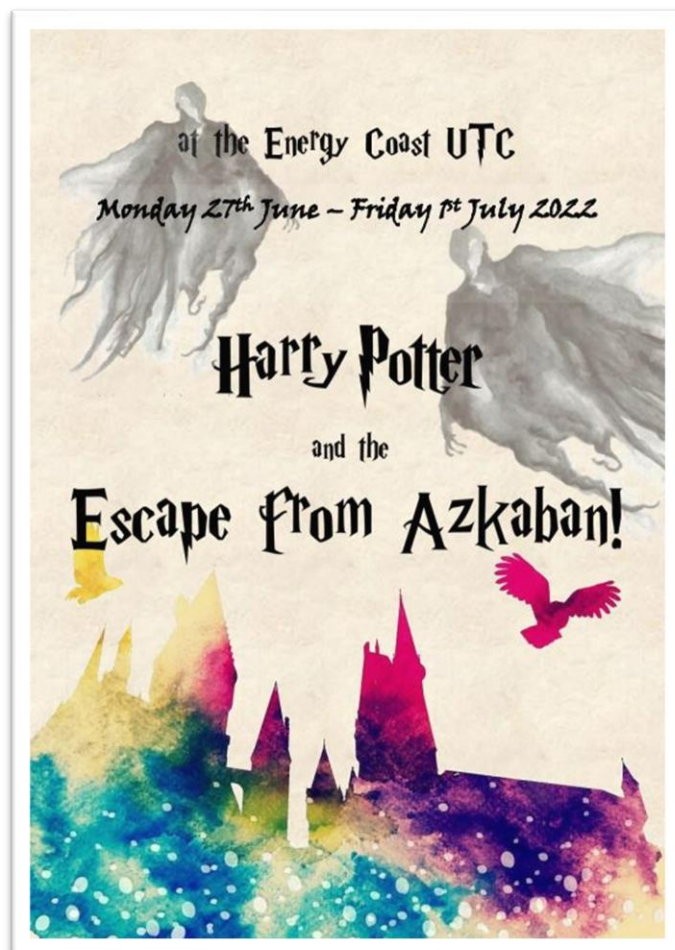
Science student of the term

Year 10: Ruby Haile

Year 11: Caity Snell

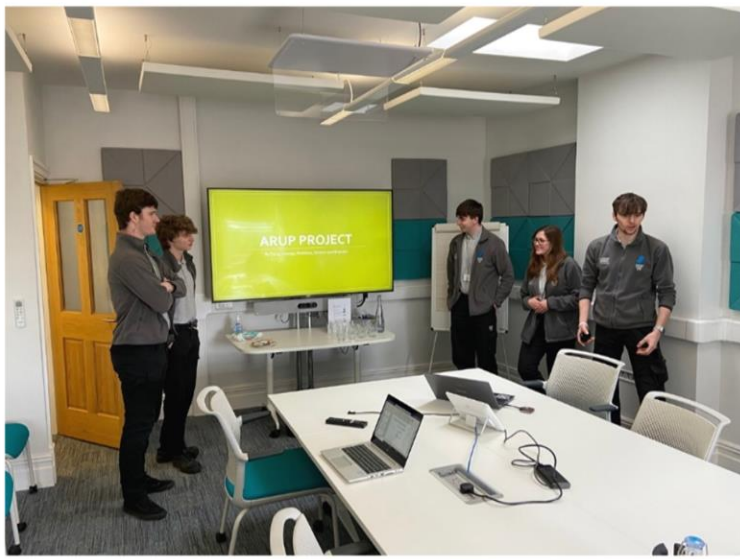
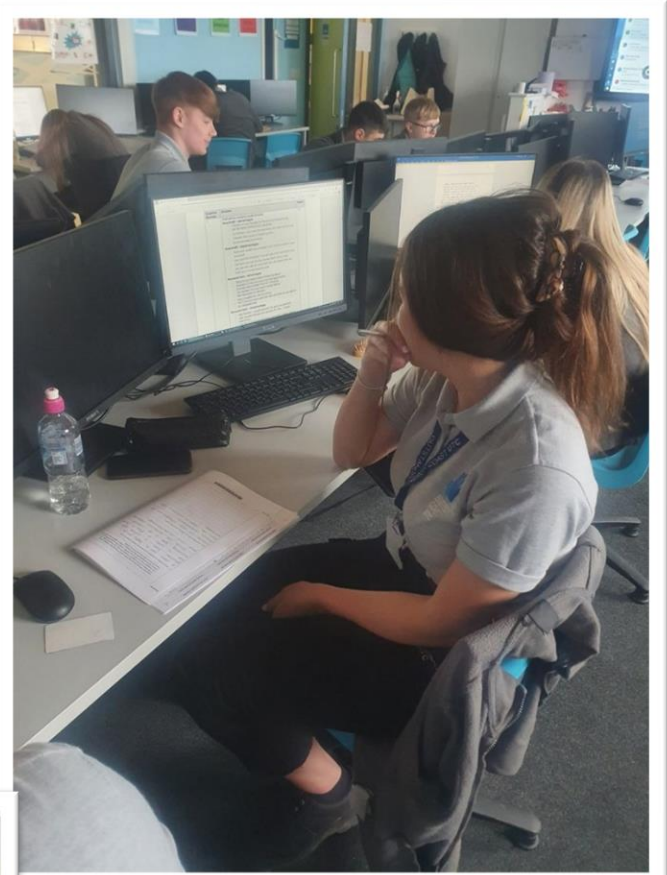
Year 12: Anya Hooper

Year 13: Lucy Corlett



Business Studies

Business studies students are looking towards the future and have started to consider their future career pathways. Students in each year group were asked about how their learning in business studies links to their aspirational career and future pathways. Both Lacey (Y10) and Dainton (Y11) stated that the course has been beneficial for any student wishing to understand the world of business and how it would help with sales, finance, and launching a new product. Dainton said he had enjoyed learning about advertising methods and branding in particular, whilst Lacey particularly enjoyed focusing on risks from war, the impact of the Covid-19 pandemic and Brexit. Year 12 and 13 learners, Coby and Kristi both aspire to run their own business in the not-too-distant future. Whilst Kristi awaits feedback from a Level 4 Apprenticeship application as a Nuclear Operator, she said that her studies had been fantastic and that she thoroughly enjoyed her research into entrepreneurs (she chose the artist Rhianna) social enterprise project focus was to raise awareness and funding for dementia



sufferers. She added, “This course has helped me prepare for work as it has given me an insight into planning and managing different projects. It has also helped me with understanding the roles and responsibilities we have been given when we are working on our employer project”. We wish Kristi and Coby all the best in her apprenticeship application.

6th form students also used their business and cross curricular presentation skills to present their employer projects to prospective employers.

Business studies – Student of the term

Year 10: Kayla Horrocks

Year 11: Faye Hall

Year 12: Luke Watson

Year 13: Erin Flanagan

Year 12 Admissions

Whilst we are oversubscribed for Year 10, we still have a few places remaining for our year 12 study program for 2022- 2023.