



**Berkeley
Green
UTC**

**WEEKLY NEWSLETTER
21-OCT-22**



Headteacher's Update

This week we have once again welcomed Rolls Royce into the UTC, this time to lead an employer project. It is days like these that remind me quite how different a UTC is compared to a traditional school, and how lucky I am to work here. Watching students work together with the help of industry experts on real world problems is a joy to behold, and seeing their professionalism in their presentations fills us all with pride.

I have been hugely impressed with the start our new year 10s and 12s have made to their time at the UTC. To change school at this stage of their lives is always a daunting experience, but the way our students have risen to that challenge is inspiring.

Our year 11 and year 13 students are starting to gear up ready for their end of year exams, and it is great to see so many students focused on this goal. In my experience students who are already starting to prepare for their final exams at this stage of the year will be in a far stronger place in May and June, and we will be working with these years groups after the half term break to help them get in the correct mindset.

I wish all students and parents a restful week and we look forward to welcoming students back on the 31st October.

Gareth Lister

Online Parents Meeting

On Wednesday this week we hosted our first parents and carers meeting of the year. We were joined by a large number of parents via MS Teams where we shared details on our behaviour and attendance expectations, SEND provision and how to access live data on your young person. If you were not able to join us then you are able to rewatch the meeting via [this link](#).

CG Tech Visit

On Wednesday we had CG Tech come to talk to a large group of our year 13 students about the apprenticeship opportunity they have available for students finishing year 13 this year. They deal with Vericut software that is connected to CNC machining.

It was a really interesting talk with lots of progression opportunities for further training once the apprenticeship is completed. The job contains both software and engineering elements to it. If your young person is interested in this please contact Siobhan.williams@berkeleygreenutc.org.uk for more information.



CG Tech visited to meet with our students

Student Celebrations

This week we celebrated the students who have consistently displayed our UTC values across the past half term. The half termly winners were Finn Peglar and Ruby Pawlyszyn-Thompson in year 10 (35), Evan Dufield in year 11 (50), Libby Edsall in year 12 (34), and Harry Baldeon and Kai Worlock in year 13 (15). We also celebrated all of the students who are currently on 100% for the term.

To see the individual attendance and DoV points for your young person please log into Arbor via [this link](#).



Year 10 design technology students developing their practical skills

Parents Evenings

A reminder that at the beginning of November we have our online parents evenings for year 11 and year 13. To book your appointments please visit the website below. If you have any issues please get in contact with the office.

<https://sgsberkeleygreen.schoolcloud.co.uk/>

Esports Event

The BTEC Esports students are hosting a tournament for the entire UTC to participate in starting on the 16th of November. Participants will play in a 2 Vs 2 game of Multiversus that will be live streamed around the UTC at lunch time for students not participating to watch. Viewers will be able to not only watch the games but also see the players and our Hosts that will provide full commentary and be on camera between games. Applications are open until the 8th of November.



Year 10 sport students getting warmed up

Key Stage 4 Curriculum Update

This week the Year 10 Creative I-Media students looked at client recommendations. They gave their peers criteria to follow before they created logos and advertisement for them, as if they were a design firm being hired.

Jake Willis – Teacher of Digital and Cyber

NASA Space Apps Challenge

Recently four of our year 12 computer scientists – Alex Chambers-Jones, Blyth Moss, Ethan Chandler and Jack Whitehorn – took part in the NASA Space Apps Challenge, a 48-hour in-person hackathon. They created a web app that takes an Earth location and maps it onto an equivalent location on the sun. It then uses various data sources to calculate the temperature and solar weather events in an equivalent location on the sun. It then gets data about actual weather at your position (averaged over a day) from the Met Office, and compare it to solar weather taken from various sources at that position on the sun. Their submission was created in 4 hours and ended up winning the Bristol competition, meaning they are now competing on the international stage against hundreds of other teams. Their solution can be found [here](#).

Student Success

The UTC is very proud to announce the hard work and success of one of our Year 12 students. Whilst many students (and some teachers) around the world spent their summer holidays sleeping, enjoying the sunshine and playing video games, Evie Bayliss spent the Summer working on an essay writing competition co-hosted by Oxford and Cambridge University. Evie's essay, bearing some hallmarks of her UTC education and technical interests, explored the intercommunication of people and computers and the significance of this for machine and natural language whilst exploring this development from the past and into the future. Of the thousands of essays entered into the competition, Evie's was one of fewer than seven percent which was selected as a winner and garnered her a partial scholarship to Evie's choice of summer schools focussing on topics from medicine to engineering at Oxford or Cambridge, or an industry focussed experience in London. The whole UTC would like to congratulate Evie on her achievement and encourage others to follow her example in the future.

Importance of Breakfast

We have noticed recently a number of students feeling poorly when they arrive at the UTC in the mornings. This may be for any number of reasons, but one of the trends we have observed is that a lot of these students are not having breakfast before leaving home in the morning. A combination of tiredness, empty stomachs and a long journey could be a reason for some students feeling poorly. Could we ask that you make sure your young person has breakfast before starting their journey to the UTC.

Upcoming Dates

3rd November – Year 11 parents evening

3rd November – Year 10 and 11 geography fieldtrip

9th November – Swansea University visit for post 16 students

10th November – Year 13 parents evening

21st November – Cultural capital day (more details to follow)

25th November – MOOG employer project

26th November – UTC open event

Key Stage 5 Curriculum Update

This week in Engineering the Year 12 students began machining parts for their team's bevel gauges. This involved using manual mills, CNC mills, and learning some hand-fitting skills.

Craig Burford – Teacher of Engineering

Rolls Royce Employer Project

Today (Friday 21st October) we were delighted to welcome four guests from Rolls Royce to the UTC. Michael Howes, Performance Engineer, Harry Robertshaw, Data Scientist, Kelsie Osborne, Aerothermal Engineer and Eleanor Scarlett, Industrial Chemist are part of the Rolls Royce graduate scheme and are currently employed with the company. After an initial presentation about their roles and the company, the employer project was introduced. The project set was based upon the mass evacuation of people from Afghanistan in August 2021 which was the largest civilian evacuation since the second world war.

The Royal Air Force aided over 17,000 civilians in their attempts to evacuate the country, most notably using the Airbus A400M, which is powered by Rolls Royce engines. Over 120,000 Afghani refugees and civilians were airlifted out of Kabul over the course of two weeks before the incoming Taliban takeover. Students were asked to design the next generation aircraft that could complete a similar mission but also to include advanced technology that could improve the process, consider the environmental impact of aviation as well as the harsh conditions and limited infrastructure available. In addition, there was a digital challenge to design a new flight navigation system, use data to find the most efficient way to transport the passengers from Kabul to airports around the world, and to design an interactive screen for the navigation system which could be used by pilots to plot their route.

The students settled quickly to the tasks and there was an excitable buzz around the UTC. Harry Robertshaw said 'the students were enthusiastic and their ideas were creative and innovative', he felt that it was great to see them applying the knowledge they had learnt in the classroom to the challenges they had been set. Michael Howes was impressed with how keen students were to share their ideas and how they had 'approached the challenge through different pairs of glasses' to come with individual concepts.

The project was another example of the ever-growing industry links between our two specialist fields of Engineering and Digital, and was a great opportunity for students to work with employers in these fields.



Rights Respecting School

This week we have been looking at Article 2- All children have the rights set out in the UNCRC. This is a particularly poignant end to Black History Month where we remind students that ALL children under 18 must be protected and that all 54 rights apply to everyone regardless of their; sex, race, gender, belief, disability or sexual orientation. Black History at the UTC will now continue all year and we look forward to learning more throughout the coming months. Thank you to those students who have been involved with this planning process- you have been invaluable.

Next Rights Respecting Student Council Meeting- is Tuesday 1st November in 214 at LUNCHTIME- bring your food along. All members must attend and we welcome any new, keen students too.

Jo Brown – RRSA Lead

Geography Fieldtrip

On Thursday 3rd November year 10 and year 11 geographers will be visiting Bristol to study some human geography. Students have studied Bristol in term 1 and will now be putting their theories into practice. The geographers will be hypothesising if the redevelopment of Bristol has improved the city. We will be walking a fair way (approx. 4 miles) around Bristol to four different locations so, good footwear will please be required. Students do not have to wear their normal business dress on this day. Letters and payment information is now on ParentPay. It should be a really great day. Please think of the weather and pack appropriately. Students can arrive to the UTC at normal time, we will leave for Bristol once all buses are in and we will return to the UTC at 4pm so students take their normal onward journey home. I look forward to showing you some photos next term!



Our year 12 engineers learning how to safely operate the equipment.



Our three 'Founding 20' representatives who will be the voice of gender equality in STEM at a national level.