

Scarborough UTC News Flash
Friday 1st April 2022

INTRODUCTION

Dear parent/carer

Firstly, this week I have written to you regarding a change to the use of the car park area from 25th April.

Due to health and safety concerns regarding our students as they leave the building I have decided that the car park will no longer be able to be used by parents in vehicles for pick up and drop off of their child.

As we grow numbers significantly in September this will only become a greater problem and therefore we will bring this change in with effect from 25th April 2022. This will give time to embed procedures ahead of the new academic year. I am sure you appreciate the importance of ensuring the safety of children as they leave the building. There are a number of alternative places where students can be safely collected in the local vicinity of the building and I thank you in advance for arranging to use these pick-up points moving forward.

This week in assembly I have been speaking to students about careers. Focusing on how technology has and is still continually changing how the world of work and business operates. Students now more than ever need to be flexible and adaptable in their approach to work and ensure that alongside their qualifications they are able to develop the employability skills that we at the UTC focus closely on in the curriculum. We considered whether there was a secret to a successful career and agreed that achieving certain career goals can be helped through hard work and having a plan. I have included links below to careers resources which you might look at with your son or daughter as they make these important plans and decisions.

<https://ncw2022.co.uk/>

<https://ncw2020.co.uk/>

We have issued letters to year 11 students this week setting out arrangements for the Easter revision sessions running from 19th to 22nd April 2022, which you can access here:

<https://www.scarboroughutc.co.uk/wp-content/uploads/2022/03/Easter-Revision-Letter-31.03.2022.pdf>

Please encourage your son or daughter to sign up for these important sessions. Attendance could be the difference between achieving or not achieving expected grades.

It is hard to fail, but it is worse never to have tried to succeed.

Theodore Roosevelt

However difficult life may seem, there is always something you can do and succeed at.

Stephen Hawking

Thank you for your support.

Mr L Kilgour
Principal

T&L@SUTC

Our Y13 engineering students delivered presentations to Severfield engineers this morning as part of a Project Based Learning activity involving the design, modelling and manufacture of a bridge for a given industrial brief. The engineers were impressed with the way students had developed their technical and manufacturing skills throughout the project, including the application of CAD, laser and plasma cutting, fabrication and welding. The project is a great example of how technical and employability skills combine within a Project Based Learning approach to teaching and learning at Scarborough UTC. Well done to Charlotte and Alfie for their bridge design that was judged as the winner by the Severfield design engineers, and a big thank you to Tom from Severfield for supporting the project throughout this academic year.



TECHNICAL EXCELLENCE

News from Systems control this week - what a week! With some practical learning using real components and the bench power supplies in the electronics workshop, Year 10 students have shown me just how far they have come since the start of September. They have been creating a real-life version on a prototype breadboard, of the coursework circuit, which uses an operational amplifier (op-amp) and two transistors to power some LED's. The op amp is a special component which can detect very small differences between two voltages, and in our case, this is used to indicate whether or not an action is required (i.e. To add water or not). I was mightily impressed by the concentration and focus of all the Y10 students in the systems class who were working on this task it required a high degree of concentration, for a sustained amount of time nearly two hours and it would be a fair assessment to say that this wouldn't have been possible at the start of the year so very well done!

With Year 11 students this week, we are moving in to the final stages of designing an automated security gate system, students have specified their input and output devices and have begun to look at sequencing the programmable tasks. Students can rapidly iterate new

versions of their programs as they move from a very simple system, to one which includes a beam break sensor and failsafe safety device and limit switches.

Year 12 students working on their Electrical and Electronic Design unit, have been completing a ROLL week, to reflect and act on any outstanding tasks and ensure they are completed. We are moving on to prototyping with a range of semi-conductor devices next week there is a limit to understanding these without seeing them in action, and where students have produced example circuits, the photos are excellent examples which can then be mentioned to support the assignments.

We welcomed some Y9 students this week for a taster session on Thursday afternoon, and it was super to see the relish with which students used prototype boards, multimeters, resistors and LED's to make some practical investigations. Part of that involved electrical safety, and noting how hot a failing resistor can get. One student was a little alarmed as one of his components literally went up in smoke recording a temperature in excess of 200 degrees. We discussed how often we rely on the work of engineers without thinking about it. Failure to take Electrical and electronic safety seriously can have devastating impacts, which is why we have such safe and robust laws and guidance in relation to electrical installations.

The smell of a burned resistor or LED is quite memorably unpleasant not something we usually make happen on purpose, but if it relates the importance of electrical design in a memorable way and interests students to want to know more then that is what we are here for. It has been awesome to witness that growth and purpose this week. Have a great weekend! Mr Brown

ASSESSMENT AND CURRICULUM

Curriculum, Feedback and Assessment

Y10 & 12

Good routine revision practice is essential in Year 10 and 12. Students complete a number of assessments across statutory subjects in Engineering or Health Pathways, it is important that students pay due attention to coursework deadlines and revise regularly.

Individual student review of Y10 achievement has taken place and students will be invited to pastoral progress meetings to discuss progress and attainment to set targets.

Y10 and 12 Futures & Progress evening is on Thursday 6th May 2022. Please check MCAS for updated targets, assessment data, behaviour data and attendance data.

Y11 & Y13

Assessment and achievement data analysis is providing the basis for identifying academic support and intervention schedules on the approach to the summer examinations. Directors have structured interventions each day and these are being used to ensure all students are supported fully.

Please use this opportunity to support progress at home and develop good revision routines.

The Easter Holiday revision schedule for interventions in computer Science, Engineering and English has been issued to students. Please see the letter on MCAS. Students should select the sessions and return the consent letter before April 6th 2022. There are 4 school weeks until formal exams.

All Years: All assessment information, Attendance, Professional values, behaviour and target information is published on the “My Child at school” app. This is a secure and personal portal that allows you to assess the progress of your child at any time. Invites for the portal have been issued. If there are any issues accessing the app, please report this to enquiries@scarboroughutc.co.uk for further assistance. Registering for the APP is vital as this is the primary method of regular communication to parents.

Behaviour and Safety

It is important to continue the highest standards of business dress policy. Lanyards and ID cards are mandatory for safeguarding purposes, lost lanyards and cards can be replaced at reception. Please check and ensure that equipment, stationary and **scientific calculators** are in good working order.

Maintaining 100% attendance is important to ensure we can continue to support progress effectively. Students are supported through tutor time with attendance challenges. Attendance is a very important focus for all students to ensure we can support attainment throughout the Spring term. A hard-working environment is vital to ensure students feel safe and make continued progress.

Firstly, structures are in place to guarantee that all students gain best opportunity to meet high standards and are recognised for hard work in areas identified by **Professional Values** and **Employability Skills (PVES)**, these positive points are identified on your MCAS parental account. By tracking this information regularly, you will be able to identify areas of strength and development for your child.

DATES FOR YOUR DIARY	
Easter holiday:	Monday 11 th April to Friday 22 nd April 2022
First day of summer term for students:	Monday 25 th April 2022
Bank holiday:	Monday 2 nd May 2022
Summer Half term:	Monday 30 th May to Friday 3 th June 2022
Term ends:	Friday 22 nd July 2022