

Scarborough UTC News Flash Friday 25th March 2022

INTRODUCTION

We are now 5 school weeks away from the start of GCSE and A level exams. This week we had a motivational speaker in college to deliver a two-hour workshop entitled 'Maximise your potential'.

The students engaged superbly with the workshop and speaker and he left with a strong positive impression of UTC children. The workshop focused on simple things students can do to ensure they can maximise their potential in their examinations. He called this having the Edge. The edge over the competition, bearing in mind the thousands of other students who are sitting exams and then hoping to take up college and apprenticeship places.

The importance of being focused over these coming weeks was emphasised and that to achieve goals students need to combine hard work and a plan.

The plan in terms of examinations is a revision timetable which sets out when a student plans to revise each subject across the week. A good revision plan provides structure and organisation and allows students to stay in control which reduces stress. Once written however it must be followed routinely. There is a guide to writing a revision timetable here:

<https://www.bbc.co.uk/bitesize/articles/zn3497h>

Since the onset of the war in Ukraine there has been an increase in the numbers of cyber-attacks in the UK. This was already an ongoing problem and so I wanted to provide some important information to help manage the risks for you and your child. National Online Safety have provided a free online safety guide on phone scams.

In a three-month period during 2021, no fewer than 45 million people in the UK experienced a suspicious attempt at being contacted via their mobile. Phone scams are a common form of cyber-attack where fraudsters engage directly with their intended victim through their smartphone. As our phones carry so many sensitive (and therefore potentially valuable) details about us, it's vital that trusted adults are alert to the tactics that scammers use to get access to user accounts, personal data and private information for financial gain.

In the guide, you'll find tips on a number of potential risks such as sim hacking, smishing and impersonation.

This is part of our Online Information and Privacy & Security categories.

<https://nationalonlinesafety.com/hub/view/guide/phone-scams>

A goal without a plan is just a wish.

Antoine de Saint-Exupéry

By failing to prepare, you are preparing to fail.

Benjamin Franklin

Thank you for your support.

Mr L Kilgour
Principal

T&L@SUTC

The Unison whole college project-based learning activity has now come to an end with final presentations successfully delivered and prizes issued this week. Congratulations to the KS4 winners Team Arkitekt, William B, Luke J and Stephen R-H, whose confidence in delivery of their presentation, commitment in production of their project supporting resources and innovation in arch design highly impressed the Unison judges.

The winning team from KS5 were Team Tube, Nathaniel C, Daniel O, Serhii P and Kayden Z. They impressed Unison with the production of industry standard promotional materials and the inclusion of extra manufacturing processes within their arch design.

A further Innovation Prize was awarded to Y12 student Wiktor Z who devised a unique method of ensuring that his teams arch design could be easily assembled with all parts permanently connected. All winning students received an Amazon voucher and Unison branded pen, mobile phone holder and portable charger. Thank you again to Unison for their support of this project that was greatly enjoyed by all.

TECHNICAL EXCELLENCE

News from Systems Control this week, our year 13 students have been reporting on the safety legislation which governs everyone at work and work that has been carried out in our homes, colleges and businesses. In exploring the differences between the statutory (Must) and non-statutory (guidance) students have reported on the key features of legislation intended to protect people and property. The regulations in BS7671 for example, relate to the design, erection and verification of electrical installations, also additions and alterations. This can get very technical very quickly, so in short, we are covering the main features, and how it relates to working with electricity, risk assessments and method statements for testing in between manufacturing the adjustable power supply project, amplifier and the written reports it is a busy time for our Level 3 students!

In year 10, students have been making progress with their coursework unit R114 - Simulate, construct and test electronic circuits. This week students carried out virtual testing within our electronics computer aided design program to prove or find out if their circuit works as intended. It is really heartening to see the progress students are making and being able to go at their pace on the coursework tasks. We plan for progression and new tasks each week, and invariably some students might make stronger progress, some may need a little more support, but the strength of the google classroom platform is how easy and accessible it is for students to use the support resources or to reach out for a little more support if needed. As we progress it is important to meet the weekly deadlines, and keep an eye on the progress trackers we have in lesson that way, everything is completed ready for those big deadlines!

With Y11 this week, as part of our R116 Process Control Systems work, we've been exploring linking low voltage / low current devices to high current devices with a surprisingly loud car horn and microswitches that we have set to be either normally closed (that is they are on, unless pressed) or normally open (off, until pressed). Apparently, I had never moved so quick as when I had to turn off the car alarm, after demonstrating how a failsafe switch needs to be pressed all the time by an operator (e.g. a train driver, or machine operator) and that if it is not pressed, an alarm is triggered. As a note for future demos, car horns really should not be used indoors without warning, as it made everybody jump, myself included. Year 11 then looked at the effects of instantly reversing a small 12V motor and gearbox it works in simulation with a double pole double throw switch, but computers aren't always true to life as DJS found out when holding the switch, when a motor stalls it draws increasing amounts of power from the source to start it, and when the motor doesn't move, the excess energy is released as heat so it was fortunate the switch was on the bench as in this investigation the switch did indeed get warm before I cut the power. Of course, in a real system where parts overheat, wire insulation melts, we get short-circuits and circuit breakers start flipping let alone the fire risk.

Discussion then moved to separate the switching circuit from the motor, and introduce limit switches (called micro-switches) to stop the motor before reversing it. Relays are the component needed here as an output component of coursework project a programmed automatic gate security system which is a nice project to get to grips with. Once students had seen and got a visual and audio grasp of the concepts, students then began to select actual components to use in the system. We are continuing with this next week and it leads nicely into microcontroller programming. Have a great weekend! from Mr Brown.

HEALTH AND SOCIAL CARE

All Health students took part in a workshop run by health providers Haxby Group. The workshop was based on basic communication needs for health and social care settings. It was a fantastic event and the students enjoyed working with Nursing staff to understand the importance of communication within different health settings. They were able to discuss different job roles and how the simplest of questions and listening to answers could lead to building relationships with patients and ensuring their care is meeting their needs. We are very much looking forward to welcoming them back next month for a practical workshop on infection control.

ENGLISH LITERATURE

Our Year 10 students have been working hard on writing their poems. The stipulation was: let's channel our inner Romantics. So, the poems had to be about nature or current events (which Isaac quite rightly noted that the destruction of nature covers both).

Ukraine by Nathan B

Once a normal day, the next filled with the
threat of everything being taken away.
Day and night, bombardments of artillery shells.
Fired at the lives of the innocent.
Millions fleeing across the neighbouring borders

trying to escape from the misery only miles behind.
Amid the confusion of war,
families separated or lost.
Endless threat of oppression by those
stomping their homeland.
ongoing battle with no sight of peace
or retreat.

Destruction by Isaac M

Trembles of Trees along the Amazon,
Fear striking the hearts of innocent creatures,
Obliteration of homes and ecosystems,
No hope for the creatures' innocence.

Heat boiling up the globe,
Melting of the ice,
Fear striking the hearts of land,
No hope for lands survival.

Listen by Summer I

Listen, sshhh listen,
Listen to the wind brushing against the air,
The cricket croaking, the birds singing
The grass dancing and the trees shaking,
Listen sshhh listen
As the train goes past, the tracks shaking
and the metal shaking.
The once quiet whisper of humanity growing louder.
Listen sshhh listen
as the power of corruption becomes clear.
Listen sshhh listen
or You might regret it.

An acrostic poem on Nature by Liv E

Needing to look up at the beautiful clouds
And watch the angels dance in the rays of the sun
To see the birds sing along
Up above with the snowy doves
Reaching down to have fun
Everything is just like a dream come true.

ASSESSMENT AND CURRICULUM

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. 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

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 and Engineering or Health Pathways, it is important that students pay due attention to coursework deadlines and revise regularly.

Y10 and 12 Futures & Progress evening is on Thursday 6th May 2022. Please check MCAS for updated 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.

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 22nd July 2022