

## Scarborough UTC News Flash Friday 28<sup>th</sup> January 2022

### INTRODUCTION

Dear Parent/Carer

Once every half term I write about the importance of safeguarding our children. This week the topic is Online and Mobile safety.

Having a mobile phone and going online is great for lots of reasons. But it's important to be aware of the dangers too. This week I will provide some guidance and links to further information that can help you and your child to stay safe online. The following information is from the Childline website and includes highlighted links which you can click on to find out more information:

## WHAT ARE THE RISKS?

There are lots of fun and interesting things you can do on the internet. And it can be a great way to stay in touch with friends. But it's important to understand how to stay safe online.

Sometimes people will try to trick you into clicking dangerous links [or sharing things about yourself](#). Or something you've shared might be used to [bully or frighten you](#).

## TIPS TO STAY SAFE ONLINE

There are lots of things you can do to keep yourself safe online.

- Think before you post  
Don't upload or share anything you wouldn't want your parents, carers, teachers or future employers seeing. Once you post something, you lose control of it, especially if someone else screenshots or shares it.
- Don't share personal details  
Keep things like your address, phone number, full name, school and date of birth private, and check what people can see in your privacy settings. Remember that people can use small clues like a school logo in a photo to find out a lot about you.
- Watch out for phishing and scams  
Phishing is when someone tries to trick you into giving them information, like your password. Someone might also try to trick you by saying they can make you famous or that they're from a talent agency. Never click links from emails or messages that ask you to log in or share your details, even if you think they might

be genuine. If you're asked to log into a website, go to the app or site directly instead.

- Think about who you're talking to  
There are lots of ways that people try to trick you into trusting them online. Even if you like and trust someone you've met online, never share personal information with them like your address, full name, or where you go to school. [Find out more about grooming.](#)
- Keep your device secure  
Make sure that you're keeping [your information and device secure.](#)
- Never give out your password  
You should never give out your password or log-in information. Make sure you pick strong, easy to remember [passwords.](#)
- Cover your webcam  
Some viruses will let someone access your webcam without you knowing, so make sure you cover your webcam whenever you're not using it.

## 5 ways to get support if things go wrong

1. Talk to someone you trust like [an adult](#), or you can always talk to a [Childline counsellor](#)
2. Report bullying and abuse directly to the [website or app](#)
3. Delete things you've shared that you're worried about, or find ways to hide them
4. Tell the police by making a [report to CEOP](#) if someone is threatening or blackmailing you
5. Plan for the future and change your privacy settings so it doesn't happen again

Thank you for your support

**Mr. Kilgour**  
**Principal**

T&L@SUTC

Project Based Learning is an essential part of student experience at Scarborough UTC with three projects currently running to enhance curriculum studies. Within Y12 engineering lessons students have been undertaking a Maths focused project with Northern Powergrid involving the development of a network; students will be presenting their solutions to Northern Powergrid engineers at the end of this half term. Severfield have continued to work with Y13 engineering students in their development of a contextual bridge design; next week students will receive a masterclass from a Severfield structural design engineer showing them how to apply load calculations to their bridge designs.

Finally, students from years 10, 11 and 12 are making great progress with the Unison project being delivered by Unison engineers during enrichment sessions this half term. This afternoon students are being introduced to how logistics considerations are applied at Unison when transporting their

machines worldwide, and continuing in the design and manufacture of their arc structure. Some teams will be receiving a workshop masterclass, while Project Managers from each team have a formal meeting with the arc customer.

A huge **thank you** to the volunteers from these organisations that help to make student experience at Scarborough UTC so unique.

## TECHNICAL EXCELLENCE

Year 13 electrical pathway students have this week been finalising an assignment about a range of input, process and output components, using manufacturer's technical data, ahead of starting a range of circuit board manufacturing tasks - Unit 6 multi-transistor amplifier circuit, with built in testing points, and an adjustable voltage power supply, the designs for which were created during Y12 as part of their electrical and electronic design unit. Having a range of manufactured circuits is necessary so that we can use a variety of testing techniques, and who knows, someone (me) may even introduce some deliberately faulty circuits to see if our students can track them down and identify them!

The year 10 systems control groups have again impressed me this week in the workshop. We have been learning about PCB manufacture - with students taking their personalised PCB artwork masks (created in CAD prior to this week) and using them with our UV lightbox, developer and etching tank to create their actual circuit boards. Each student has designed their own version of a light or dark activated alarm or lighting circuit. The understanding relating to electronic principles is that using a sensor as part of a voltage divider, enables us to make environmentally aware circuits which can respond to changing conditions - such as heat, light, and thinking further air pressure, humidity, sound. Sensing in circuits, is the foundation for creating systems which can respond to a given stimulus - all of which takes place at the level of moving electrons in a conducting wire. It fascinates me that at a molecular level a charged particle is so powerful. One amp of electrical current is basically  $6.24 \times 10^{18}$  electrons - that's 6240000000000000000 electrons moving in one second. Not a number you can easily say, hence the standard form notation. So - Year 10 making great strides, and also whilst awaiting their PCB's as they were in the etching tank, students used their soldering skills to carefully attach some wires to their power switch, and then cover the bare contacts with heat shrink tubing and apply heat with a hot air gun.

I am always impressed at how well students work independently on practical tasks. Practising these manufacturing techniques, enables students to build self-confidence, understanding and skills - technical excellence, so a huge well done for your efforts this week.

Year 11 students, it is fair to say are under pressure with the pre-public exams now in a fortnight's time from Monday. Students have access to many past papers, flash cards and interactive quizzes via our Electronic Principle R113 Google Classroom, and support and guidance is discussed in each lesson. Needless to say, prior preparation prevents poor performance - and I'm pleased that more students are doing some exam preparation each night and at a weekend. I am not yet confident that we are getting 90 minutes a night in, or several hours at the weekend, but it is an improving picture in terms of student's being self-aware enough to make improvements from the November PPE's. Students are aware to see me if they need some direction with revision - and thank you to those who have already had a chat.

Have a great weekend, from Mr Brown

## 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](mailto: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, with masks worn in communal areas. 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**

#### **Year 10 & 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.

#### **Year 11 & Y13**

Students are now working towards Pre – Public exams which commence on the 10<sup>th</sup> February. The schedule for the pre-public exams has been issued and the information sent out Via MCAS email includes copies of the presentation and the revision materials. Paper copies, can be picked up on reception.

### **Forthcoming Attainment Assessment and feedback dates**

#### **Year 10/12**

The assessment process at SUTC uses live assessment sheets, this means that assessment grade sheets are continually open. This allows staff to amend data and attitude to learning grades following each data capture and respond to formative assessment used within the classroom.

#### **Year 11/13**

Assessment Data Analysis for the scheduled PPE's will take place W/C 7<sup>th</sup> March and reporting information will be published on MCAS w/c 14<sup>th</sup> March 2022.

## SIXTH FORM

We are delighted that students are making firm plans for their futures here at the UTC. Congratulations to those students who are applying for **apprenticeships** and are through to the next round of their applications. These are with Northern Powergrid, BAE Systems, Fujitsu and Revdev.tech.

Parental support for degree apprenticeship is available from the UCAS parent portal. Sign up here if you would like notifications: <https://www.ucas.com/parents-signup>

We are delighted to hear that more of our students have offers from **university** courses this week including: media, health, environmental science, forestry, engineering, biology and computer science.

**Calling all parents:** If your child is intending on going to university this September we would like to highlight this on-line event from UCAS and Loughborough University. The purpose of this webinar is to provide information, advice and guidance to anyone who may be interested in the stages that take place once a student submits their UCAS application. What to expect, what to do whilst waiting on a reply from universities and how to prepare for results day! This session will also include some "Behind the stage of admissions" insight to further give more understand what happens once we receive applications and give attendees an opportunity to ask questions. It's on Tuesday 1<sup>st</sup> February 2022, this free webinar will help answer questions and provide further advice. The webinar will be hosted online from 6:30pm - 7:30pm.

You can register here:

<https://app.geckoform.com/public/#/modern/FOEU0354a9IDQoX2>

This week students in Year 12 had a presentation about the **Sutton Trust Summer School**. They have been encouraged to apply for **this free scheme** that offers a university or degree apprenticeship experience during summer 2022. More information can be found here:

<https://summerschools.suttontrust.com/>

## ETHOS AND CAREERS

This week we have commemorated Holocaust Memorial Day with a week of tutor activities about the effects of the holocaust and the dangers of extremism. Students have had assemblies with Mr Connell about the terminology of the holocaust and the history behind this event. Our image of the week was a painting from a child inside a holding camp who was taken from France to Auschwitz. It features a yellow butterfly that later became a symbol for the 1.5 million children who were killed. Our student leaders met this week to discuss their plans for our next open event on February 10<sup>th</sup> when they will lead tours with parents around the college. They also discussed the end of year celebrations for year 11 and 13 and will be collecting ideas from their peers.

## CAREERS

Our careers officer has met with Year 10 and 12 students this week giving individual 1:1 guidance. If your child is interested in an apprenticeship in the future here is a link for the latest parent information pack National Apprenticeship website:

<https://assets.ctfassets.net/8kbr1n52z8s2/2HEKszSrGDduKOCe5tkJyx/3569369667b905246ea229407a8cd5fa/Parent-Pack-Jan-2022.pdf>

It has been good to see that students have been using this resource to help with their revision and studies. GCSE POD is a free online resource that allows students to watch short podcasts to understand GCSE content. Regular usage will improve their GCSE grade. Our top user for January is Matt who will be awarded with a £30 Amazon Voucher.

### SUBJECT INFORMATION

**English** - Y11 Scholars of the Week are Albert Davies and Sam Reynolds for completing their revision materials in a timely manner.

Y10 Scholars of the Week are Mitch Lines and Jack Johnson for being the first to complete their independent study on literary criticism surrounding anthropomorphism immediately.

Reading Scholars: Mitch Lines for completing The Philosopher's Stone, Book 1 of the Harry Potter Series and now starting Book 2: The Chamber of Secrets!

**LPD** - Y10 are focusing on mental health this term, during lessons, so have been exploring the many different services and platforms available to help.

### DATES FOR YOUR DIARY

Spring Half term:	Monday 21 <sup>st</sup> February to Friday 25 <sup>th</sup> February 2022
Easter holiday:	Monday 11 <sup>th</sup> April to Friday 22 <sup>nd</sup> April 2022
First day of summer term for students:	Monday 25 <sup>th</sup> April 2022
Bank holiday:	Monday 2 <sup>nd</sup> May 2022
Summer Half term:	Monday 30 <sup>th</sup> May to Friday 3 <sup>th</sup> June 2022
Term ends:	Friday 22 <sup>nd</sup> July 2022