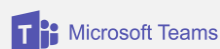# KS3 ICT - HOME LEARNING

MR BAINBRIDGE SUGGESTS...

THE ULTIMATE GUIDE TO ALL THINGS KEY STAGE 3 ICT AND COMPUTING. INSIDE YOU'LL FIND A RANGE OF ACTIVITIES, PROJECTS AND RESOURCES FOR YOU TO EXPLORE AND COMPLETE. BE SURE TO SEND ANY COMPLETED WORK DIRECTLY TO MR BAINBRIDGE THROUGH EITHER SCHOOL EMAIL OR MICROSOFT TEAMS.

Submit your work by email or Microsoft Teams- mcoffeybainbridge@nottinghamacademy.org

Microsoft Teams

KS3 ICT – HOME LEARNING

MR BAINBRIDGE SUGGESTS...

PowerPoint School

The 'PowerPoint School' YouTube Channel has some awesome tutorials that are so simple to follow. Grab a pair of headphones and work through these fantastic tutorials to really bring your PowerPoint and Graphics skills up to scratch. They cover a wide range of skills such as 2D Vector Graphic Design, Advanced Animation Techniques, Icon Design and much more …

Search for 'PowerPoint School' on **Youtube.com** to find their channel

iDEA Award- The Inspiring Digital Enterprise Award- (Suitable for Year 8s)

You should already have an iDEA login if you're in Year 8. If you have forgotten your password, you can always reset it by pressing the 'Forgot password' option. It will send an email to your school account, allowing you to reset (Can't find the reset email? Check your Junk folder) Remember, you need to complete the Bronze Award first, then the Silver. The iDEA Badge Champion Special Achievement is unlocked when you have won 50 or more iDEA Bronze badges.

Visit **idea.org.uk** to get started.

Speed Typing Practice

Why not improve your **Speed Typing** skills by using a website like Typing.com? It's completely FREE. It has some brilliant, easy to follow **Lessons**, **Games** and **Tests** for you to practice at home. Speed Typing is a skill we can all improve on, no matter what your skills are like at the moment. Challenge your family members to see who has the fastest typing fingers in the west!

Visit **Typing.com** for this fantastic resource.

E-Safety Awareness

The CEOP YouTube Channel has some great videos to get you thinking about **E-Safety** and **Digital Awareness** and how we can all do our bit to ensure we're safe when using online platforms and social media apps.

Mr Bainbridge recommends; CEOP's "First to a Million" series of short films. These are an interactive set of YouTube videos which guide you through a journey of choices and decision making. The "Play Like Share" series is also great fun, particularly to watch and discuss with younger family members.

The thinkyouknow.co.uk website has a wide range of activities, advice, videos and games to get you thinking more broadly about E-Safety.

Search 'CEOP' on **YouTube** to find their official channel

MR BAINBRIDGE SUGGESTS...

Create a Game- Sploder!

This website provides a range of **characters**, **objects** and **walls** that can be dragged on to the playing surface and manipulated to provide an area for the main character to explore. This is a great way to introduce game design as there isn't any coding involved but you will need to think about the different elements that will make a good game.

Visit **www.sploder.com** to get started.

Kodu Game Lab- 3D Games Design

Kodu lets you create games on the PC and Xbox via a simple visual programming language. Kodu can be used to teach creativity, problem solving, storytelling, as well as programming. Anyone can use Kodu to make a game, with no design or programming skills. Kodu is completely **FREE** to use. This is a program we have installed school and is great for learning how to program a 3D game.

Kodu can be downloaded here:

https://www.microsoft.com/en-us/download/details.aspx?id=10056

Microsoft

Click!

Described recently as "the best debate on global technology, social media and the internet," or "your guide to all the latest gadgets, websites, games and computer industry news".

Where can I watch Click?

Click is broadcast on the **BBC News Channel** on Saturday at 12:30 and 15:30. You can also catch it on **BBC iPlayer**

Adobe Photoshop- Graphics Tutorials

Adobe Photoshop will soon be accessible to all students at home for FREE (Information to follow soon). Photoshop is an industry-standard graphic design and photo editing software package, and is used across a range of multimedia. YouTube has some AMAZING tutorials, that teach you step-by-step how to create some stunning pieces of graphic design.

Simply search for '*Photoshop Tutorial for Beginners* ' on **YouTube** for some brilliant resources **YouTube**

"What's Inside?" Parts of a Computer System

Do you know all the parts that make up a personal computer? Do you know your RAM from your Hard Drive? Your inputs from your outputs?

Use the internet to find an **image** of the following items, **label** them in PowerPoint and write a **definition** for each, What is their purpose in the overall computer system?

CPU, Hard Disk, Sound Card, HDMI Card, RAM, Monitor, Mouse, Speaker, Router, Ethernet Port, USB Drive, DVD Rom Drive, CPU Fan, Webcam

E-SAFETY SCENARIOS... WHAT WOULD YOU DO?

Read through each of the scenarios below. Think carefully about how you might respond. Is your response going to have the safest outcome? Discuss your response to each of the scenarios with a family member/carer. Do your responses differ slightly or do you agree? Write an explanation or decision rationale for each scenario.

1) YOU HAVE RECEIVED AN EMAIL FROM WHAT APPEARS TO BE 'INSTAGRAM' ASKING YOU TO VISIT A SPECIFIED WEBSITE TO UPDATE YOUR PASSWORD IMMEDIATELY.

2) YOU HAVE FOUND A PHOTO ON FACEBOOK WHICH HAS POSTS FROM PEOPLE WITH COMMENTS ABOUT YOU WHICH ARE UNKIND.

3) THE LATEST IPHONE IS OUT, AND IT'S A GADGET YOU MUST HAVE BUT YOU CAN'T AFFORD IT. YOU SPOT AN ADVERT ON FACEBOOK MARKET PLACE THAT IS SELLING THE PHONE FOR JUST £50 BUT ASKS YOU TO SEND THEM THE MONEY VIA PAYPAL.

4) YOU START WATCHING A LIVE STREAM ON TIKTOK AND START RECEIVING ABUSIVE MESSAGES FROM OTHER PEOPLE ON THE CHAT FEED.

5) YOU LOG INTO YOUR EMAILS TO FIND A MESSAGE FROM SOMEONE YOU DON'T KNOW. THE MESSAGE ASKS YOU TO OPEN THE ATTACHMENT IN ORDER TO SPEED UP YOUR COMPUTER.

6) YOU'VE JUST GOT A BRAND NEW PHONE FOR YOUR BIRTHDAY. YOU WANT TO PUT SOME SONGS ON IT, BUT YOU CAN'T AFFORD TO BUY SPOTIFY AT THE MOMENT. YOUR FRIEND TELLS YOU ABOUT A WEBSITE WHERE YOU CAN DOWNLOAD SONGS FOR FREE.

7) SOMEONE ON FACEBOOK IS SELLING TICKETS TO A MUSIC CONCERT THAT YOU REALLY WANT TO GO TO. THE TICKETS ARE QUITE CHEAP COMPARED TO BUYING THEM FROM THE NOTTINGHAM ARENA. THE SELLER ASKS FOR MONEY TO BE SENT VIA BANK TRANSFER AND HE WILL EMAIL YOU THE TICKETS AFTERWARDS. HE SENDS YOU A PICTURE TO PROVE THAT THE TICKETS ARE REAL.

LET'S CODE— HOUR OF CODE™

HOUR OF CODE

"Learning to write programs stretches your mind, helps you think better, and creates a way of thinking about things that I think is helpful in all domains"- Bill Gates, Microsoft Co-Founder

WHAT IS THE HOUR OF CODE?

A one-hour introduction to computer science. Students and parents/carers can work together or independently and choose from a variety of activities and tasks. Activities work on any modern browser, tablet, smartphone, or even with no computer at all.

No experience needed by students or parents/carers. Activities are available in over 45 languages.

Code.org's activities feature *Minecraft*, *Star Wars*, *Disney's Frozen*, *Angry Birds*, and *Plants vs. Zombies*. What an awesome way to learn coding!

MINECRAFT

PLANTS vs. ZOMBIES

ANGRY BIRDS

STAR WARS

HOUR OF CODE

STAR WARS™: BUILDING A GALAXY WITH CODE

PODCASTS— MR BAINBRIDGE SUGGESTS...

Move over, YouTube, there's a new game in town, and guess what? It's totally screen-free. That's right: *Podcasts* are growing in popularity with families and teens in particular! Check out these recommended listens below…

HARRY POTTER AND THE SACRED TEXT

What if the Harry Potter series was considered a holy book? While this can feel true to many Potter fans, this thoughtful, spiritual podcast actually puts it into practice. Each episode takes a chapter of a Harry Potter book and looks at it through the lens of a universal theme like love, hope, or destiny. You don't need to be religious to enjoy this delightful series, but it's not always spoiler-free, so make sure you've read the books ahead of time.

THE TWO PRINCES

This charming fantasy adventure will have listeners of all ages glued to the speakers until the very end. Two young princes seek to save their kingdoms and in the process face villainy, dragons, romance, and a magical forest full of danger. Though kissing happens, it is treated with sweetness and humour. A fairy tale for our times, this audio drama is a great introduction to the world of fiction podcasts.

SIX MINUTES

Six Minutes is another enthralling, suspenseful audio drama from the creators of the award-winning podcast The Unexplainable Disappearance of Mars Patel. Featuring a voice cast of real kids, each six-minute episode continues the story of an 11-year-old girl named Holiday who finds herself in the middle of a mystery adventure with no memory of where she came from. New updates are released twice a week, and you'll be counting down the minutes to see what happens next.

SCIENCE FRIDAY

Regularly one of the most popular science podcasts out there, "Sci Fri" (as it's known to its fans) has been informing and entertaining listeners for more than 20 years. For curious science lovers who want to learn about the latest discoveries, Ira Flatow's weekly discussions with experts and listeners are a must-listen.

PANTS ON FIRE

Pants on Fire is a silly game show where a tween gets to interview two grown-ups, one who's an expert on a topic and one's who's lying. Hosts Deborah and L.I.S.A. (a sound effects "robot") guide the kid contestant through the interviews with some goofy jokes and question suggestions, but it's the kids that make this show worth checking out.

Here are some popular options for listening: *Apple Podcasts*- The original podcast app (only available for Apple iOS), *Google Podcasts*- Google's free podcast app for Android users, **Kids Listen**- An online service that features kid-friendly podcasts, **Pocket Casts**- A mobile app with a sleek, easy-to-use interface, **SoundCloud**- An online audio-streaming platform for podcasts as well as music (also an app), **Spotify**- The music-streaming platform has a whole dedicated section for podcasts.

NO COMPUTER? NO SWEAT, DUDE!

Don't have a computer or mobile device? No problem! Here is a list of some brilliant ICT projects that you can do without a PC. All you need is a pen and paper. Be imaginative, be expressive and get those creative juices flowing!

LAUNCH A NEW SMART GADGET

Design the next Apple smart device. What new features will it include? What colour varieties will it come in? What special features will it include that makes it the hottest new gadget that everyone will want to buy?

Be sure to include:

- Labelled sketches of your design(s)
- Brainstorm some ideas for what you might name the device
- Bullet point the key features of the device
- Write a 'Dragon's Den' style sales pitch, or plan how a TV advert might look using a Storyboard.

DESIGN AND PREPARE AN ADVERT CAMPAIGN FOR A NEW BISCUIT PRODUCT...

You've been employed by McVities© to design a new idea for a sweet biscuit. You must design the product, research the ingredients required, prepare some simple costing calculations and plan a marketing/advertising campaign.

Be sure to include:

- Designs for your biscuit and packaging
- Ideas for the name and slogan
- An ingredients list required to make the product
- A poster design for your new product that would be shown in public areas, and on the TV and internet
- A simple costing sheet including the average cost for ingredients to make a small batch, then scaling up to a larger quantity for mass production (use estimates)

GLASTONBURY MUSICAL FESTIVAL 2021

As you've probably heard in the news, Glastonbury festival has been postponed to the summer of 2021. You've been tasked with the following:

- Compile a **list** of artists for the festival (singers, bands, DJs, rappers etc)
- Design a brand new **Logo** for the festival, happening in 2021
- Produce a **ticket** layout for festival goers
- The **Stage**(s)- what will this look like? How will they be decorated? Sketch your ideas!
- Write a list of '**Festival Packing Essentials**' for customers planning on attending the festival *e.g. Waterproofs, a tent, plenty of deodorant!!... Hand sanitzer!*
- Design a '**Site Map**' of the festival. This will be given out to festival goers to help them get around all the various camp sites, stages, stalls and facilities.
- Festival Merchandise- design a range of t-shirts, mugs, hoodies and key rings for people to buy at the festival.

Design a brand new set of **Emojis** for the launch of the next new Smart Device…

They must **not be yellow**. They must be completely **different** to the current ones. Sketch some ideas, then carefully draw out and colour in your best versions!

Feeling extra Arty? See if you can design emoji versions of YOURSELF and your family/relatives!

RELAXING AND MINDFULNESS WITH ICT

We can use ICT to communicate, plan, design and code… among many other *amazing* things! However, all too often we forget, that we can actually use our smart devices to **relax** and **unwind**. Check out some of these amazing **apps** below that you can download to your smart devices…

CALM

Calm is the perfect meditation app for beginners, but also includes hundreds of programs for intermediate and advanced users.

Guided meditation sessions are available in lengths of 3, 5, 10, 15, 20 or 25 minutes so you can choose the perfect length to fit with your schedule.

HEADSPACE

Meditation made simple. Guided meditations suitable for all levels from Headspace. Meditation can help improve your focus, exercise mindful awareness, relieve anxiety and reduce stress.

STOP, BREATHE AND THINK (KIDS)

Stop, Breathe & Think Kids offers teens a fun and easy way to identify and process their emotions. From counting breaths to friendly wishes or frog jumps, each activity brings fun rewards to keep them engaged.

SMILING MINDS

Smiling Mind is designed to help people pressure, stress, and challenges of daily life. This app has a fantastic section on Mindfulness in the Classroom and is suited for kids ages 7-18.

Remember to **always check** with a responsible adult when downloading new apps to your Smart Devices. A lot of these apps are FREE but have 'in-app purchases'. Always check with the bill payer's permission before downloading…

AND FINALLY DON'T FORGET,
MR BAINBRIDGE SUGGESTS...

Go & Wash
Your Hands!