

Cambridge Technicals IT – Summer Work

Welcome!

Welcome to the Cambridge Technicals IT course, I look forward to meeting you all in September to delve into some exciting topics about IT and the world we live in. This summer work has been designed to give you a flavour of some of the units you will be studying during the two years on the course, this will give you a head start on some of these topics and an insight of what is to come.

What work is being set?

For this first phase of your summer work we are going to look at Unit 3 – Cyber security and delve into the world of hacking, ransomware and system security.

- Have a read through the course structure and get a feel for the units we will be covering over the next two years (see PowerPoint)
- Watch the BBC Horizon documentary – ‘Cyber Attack – The day the NHS stopped’ which looks at the effects of the global ransomware virus ‘Wannacry’ back in 2017 (1 hour) – make notes during the video on the key events/facts throughout the situation. (*this cannot be found online, please use the link below or find the ‘class materials’ sections within teams to view*)

[Video found here](#)

- Write an article about the Wannacry attack discussing:
 - a. What happened during the cyber-attack – what were the key points
 - b. How/why was the NHS vulnerable to the attack?
 - c. What was the impact of the attack on the NHS?
 - d. How was the cyber attack solved? Who was involved? How long did it take?
 - e. How could the NHS prevent further attacks like this in the future?
- Create a ‘breaking news’ report set during the time of the WannaCry attack. Consider the vulnerabilities of the app and discuss:
 - a. What happened?
 - b. How has it affected people and the impact on society?

You may need to do wider research on the attack beyond the video above. You can present your work in the following ways:

- A written newspaper inspired article
- A short video presented like a news report (around 60 seconds long)
- An audio recording of a radio news report (around 60 seconds long)

Use your creativity with technology for this one, but if you have limitations with technology then a written newspaper article will be fine.

How long should I spend on this work?

It is expected that you spend five hours on this work.

Who should I send this work to and / or who should I contact with any questions? –

Please upload all of your work to the Teams group under the 'my work' tab. Any issues with this please drop us a message on the chat or email:

Mr Phillips – tmp@hardenhuish.wilts.sch.uk

Mrs Parry-Jones – RJP@hardenhuish.wilts.sch.uk

Useful links:

- [Cambridge Technicals Website](#)
- [Link to NHS attack video](#)