Half-term Two November – December

Year 9 ICT and Computer Science

Lesson	Instructions	Resources	Curriculum
1	Write a guide to Microsoft Teams for students in Year 9.	Video 1 Video 2 Video 3	*Aim: are responsible, competent, confident and creative users of information and communication technology.*
2	Read link 1 about hardware through time. Watch this video. Using both of these sources of information, explain what the **main components** inside a computer system are.	Link 1 – Bitesize Video - Hardware	
3	Learn about RAM and ROM – what they are, what they do, their differences and why they are important in a computer system. Note this down in any method you choose.	RAM and ROM – craigndave Bitesize link	*Understand the hardware and software components that make up computer systems, and how they communicate with one another and with other systems*
4	There is a range of different ways to save your files on a computer – they are called 'storage'. Use the links to find out about the hard disk, CD/DVDs, flash USB storage and solid state disks. 1. Create a 'fact sheet' on these 4 storage media. 2. Complete the revision test	Secondary Storage – craigndave Bitesize Link 1 – Hard disk Bitesize Link 2 – CD/DVD Bitesize Link 3 – external and USB Test	
5	Learn about Binary by watching the video, then reading about it on bitesize (Pages 1-5) Test your knowledge and learning using the Bitesize test.	Video – What is Binary? Bitesize – Binary. Test	*understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits*
6	Learn about Computational Thinking – problem solving using a computer using this link. Create a revision sheet which covers decomposition, pattern recognition, abstraction and algorithms.	Link	*understand several key algorithms that reflect computational thinking*

Please email any queries and completed work to your teacher – Mrs Holmes-Long OR Mr Hall

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