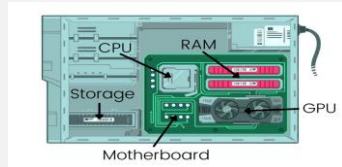


Week 1

Hardware



Students will be begin a new topic by being introduced to the key terminology of the lesson and being told how each function of hardware works and its role within a computer, once completed the students will recap their knowledge through the use of an assignment powerpoint which will be worked on throughout the lesson.

Week 2

Software



The lesson looks into software and the different types of software which are within a computer, with tasks to embed understanding with questions focusing on how each type of software functions within the smooth running of a computer system.

Week 3

Networks



The lesson looks into the basic types of networks which can be used from areas such as your home through to an office building through to a local community alongside identifying how these different types function and are operated within daily lives.

Year 7 ICT: Term 5 – Computer Systems

Week 4

Data Representation + Binary



The lesson looks at developing students understanding of the term binary, trying to ensure that students are able to gain knowledge of what binary is and how data representation works through a host of interactive and fun tasks to develop their knowledge.

Week 5

Assessment Lesson



Students will be completing a 20 question multiple choice test covering all the areas covered within the topic and will be given a mark at the end with their percentage and will then be transferred to a grade.

Key words:

Hardware - Computer hardware is a collective term used to describe any of the physical components of an analogue or digital computer.

Software - Software is a term used to refer to execute specific tasks, applications, scripts and programs that run on a device or computer.

Network - A computer network is a group of computers linked to each other that enables the computer to communicate with another computer.

Binary - Binary is a number system that only uses two digits: 1 and 0.

PAN - (Personal Area Network)
LAN - (Local Area Network)
WAN - (Wide Area Network)
VPN - (Virtual Private Network)

Week 1

Questions	Answers
What is hardware?	Computer hardware is a collective term used to describe any of the physical components of an analogue or digital computer.
What were the 2 different types of hardware?	Internal and External
What were the name of the 6 examples of hardware?	Motherboard CPU (central Processing Unit) RAM (Random Access Memory) Hard Drive PSU (Power Supply unit) GPU (Graphic Processing Unit)

Week 2

Questions	Answers
What is Software?	Software is a term used to refer to execute specific tasks, applications, scripts and programs that run on a device or computer.
What were the 3 types of software covered in the lesson?	System Utility Application
What is the main difference between software and hardware?	You can touch hardware on a computer but you cant touch the software of a computer.

Week 3

Questions	Answers
What is a Network?	A computer network is a group of computers linked to each other that enables the computer to communicate with another computer
What are the 2 types of connections?	Wired Wireless
What are the 4 types of Networks covered within the lesson?	PAN (Personal Area Network) LAN (Local Area Network) WAN (Wide Area Network) VPN (Virtual Private Network)

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Week 4

Questions	Answers
What is Binary?	Binary is a number system that only uses two digits: 1 and 0.
Do Computers Understand Languages?	No they do not, they turn the words into Binary in order to understand the letters and words.
What was the message from the code breaker challenge?	ICT is the best lesson

Week 5

Assessment:

Criteria
There are 20 multiple choice questions which need to completed on the topic covered this term, The final 5 are all self reflection questions which need to be completed in your own opinion and thoughts: (This will help you in term 6 when given feedback/results on your assessment and you can see what grade you achieved).

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