OBHS Core Questions:

Subject: Computing

Year and Term: Year 11 Autum 2

Topic: Network Security

Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

	Question	Answer
1.	What is Malware?	Malicious Software
2.	What is phishing?	Using scams or emails to steal data/information/money
3.	What is a Brute-Force Attack?	Trying every possible combination/code/password ect. To gain access
4.	What is a Denial of Service Attack?	Flooding a Server with requests, leading to it being overloaded and unable to function
5.	What is SQL injection?	Using SQL code to obtain unauthorized access
6.	What is Data Interception?	Gaining access to information as it moves between networks/devices
7.	What is Penetration Testing?	Trying to gain unauthorized access to a system to test for weak points
	What is Anti-malware software?	Software that can detect and delete malware/viruses
9.	What is a Firewall?	Software that checks data before it enters a device/network
10.	What is meant by User Access Levels?	Allowing users on a network different permissions/abilities to keep the system more secure
11.	What is Encryption?	Scrambling data so that it cannot be read even if it is intercepted
12.	Give two types of Physical Security	CCTV, Locks on offices

OBHS Core Questions:

Subject: Computing

Year and Term: Year 11 Autum 2

Topic: Systems Software

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	Question	Answer
1.	What is an Operating System?	Software that controls how the computer works
2.	Give Five Functions of an Operating System	User interface Memory management Peripheral Management User Management File Management
3.	What is a GUI?	A Graphical User interface that allows the user to interact with software on the computer
4.	What is meant by Memory management?	How data moves between components, memory and processing time allocated to different applications (multitasking)
5.	What is meant by Peripheral Management?	Managing external devices such as mice, keyboards and monitors
6.	What is meant by User management?	Ensuring data for specific users is kept separate and shown to the correct user
7.	What is meant by File management?	Saving files, naming them, allocating memory locations
8.	What is Utility Software?	Software that performs "housekeeping" tasks in the background
9.	Name three types of Utility Software	Encryption Software, Defragmentation, Data Compression
10.	What is Encryption Software?	Software that scrambles data, making it unreadable if it is not decrypted
11.	What is Defragmentation?	Re-organising where files are stored in secondary memory to allow them to be access quicker
12.	What is Data Compression?	Reducing the size of a file