OBHS Core Questions:

Subject: Computing

Year and Term: Year 10 Autum 2

Topic: Memory and Storage 1

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 are the Two types of Primary Storage?	RAM and ROM
2.	What are the features of each?	RAM = Volatile, holding instructions and data for currently running programs, ROM=Non-Volatile, hold instructions to turn on the computer
3.	Why do we need Secondary Storage?	To permanently hold files and software saved onto a device
4.	What are the three types of storage medium?	Optical, Magnetic, Solid State
5.	What are the six features to consider when choosing a Secondary Storage device?	Capacity, Speed, Portability, Durability, Reliability, Cost
6.	What is the smallest unit of data?	A Bit
7.	What does a Bit represent?	A single 0 or 1
8.	What is a nibble?	4 bits
9.	What is a byte?	8 bits or 2 nibbles
10.	How many byes in a Kilobyte?	1000
11.	What is the order (smallest to largest, of the other units of data?)	Megabyte Gigabyte Terabyte Petabyte
12.	How does all data in a computer need to be stored?	Using binary (0s and 1s)
13.	Why does a computer use binary?	It is made of switches which can only be ON (1) or OFF (0)