


W/B	Topics	Revision Activities
4th Jan	CPU	Create a set of Flashcards to explain the following parts of the CPU: Von Neumann Architecture; Registers (MAR, MDR); Accumulator; Program Counter; Cache; Clock Speed; Cache Size; Cores; Buses; Fetch-Decode-Execute
11th Jan	Network protocols	Create a set of “diagrams” to represent each network protocol. The diagram should help show what each protocol is used for Use the CraigNDave video to help you
18th Jan	Storage: • Secondary Storage • Data Capacity • Storage Types • Suitable storage for applications	Revise using you top-trump cards for secondary storage devices. Consider which storage is suitable for the different applications. Create a “go to diagram” which is a table of the different storage types and when each type is the most suitable (e.g. a drone, a music file etc).
25th Jan	Data Representation: • Data sizes • Binary numbers • Binary Shifts • Hexadecimal • Check Digits • Character Sets	Practice Binary-Denary Conversions and Binary Shifts. Practice Hexadecimal-Denary and Binary Conversions. Use the revision cards you made and complete this worksheet: https://tinyurl.com/y866evsu 
1st Feb	RAM VS ROM	Create a picture to represent RAM and ROM which shows their characteristics and what they store.
8th Feb	• Factors that affect the performance of a CPU	Create a set of notes using the Cornell system which explains the 3 C’s and how they affect the CPUs performance How to make Cornell notes: https://tinyurl.com/gvg7s8y

Examination Dates:

Computer Systems - Monday 21st June

Computational Thinking, Algorithms and Programming – Monday 28th June

Additional Information

On Firefly there is a page for every revision topic highlighting the criteria you need to know, a quiz and videos explaining the topics.