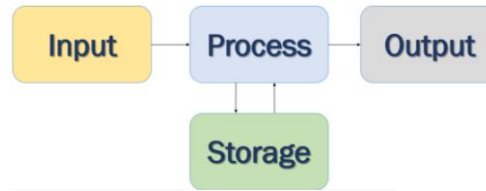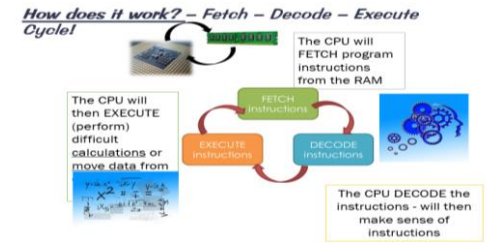**KNOWLEDGE ORGANISER**
BIG IDEA: Digital Literacy
TOPIC: Computer commands and understanding

Key Word	Definition
Central Processing Unit	Known as the CPU. The brains of the computer where the calculations take place
Input	Piece of hardware which provides data to the computer e.g. Keyboard
Output	Piece of hardware which receives data to the computer e.g. monitor
System	The overall PC
Decode	How the computer understand the data it receives
Hardware	Physical component of the computer (Which you can touch)
Software	Programs on the computer e.g. Microsoft word
Structure	How the components of the computer are formed
Storage	A means of storing data
Hard drive	The main storage within a computer

A computer system is input, processing, storage and output

the role of the CPU is to fetch instructions from memory, decode them, and execute the instruction.

How does it work? – Fetch – Decode – Execute Cycle!

Hard drive	USB memory stick	CD
Magnetic Mechanical parts that move over the disks to read and write data It is cheap, fast and there is lots of space Used for: PCs Capacity: 500GB - 3TB or greater	Solid state technology is used in storage media such as USB flash memory sticks Called solid state as it does not have any moving parts Increasingly used to replace both magnetic and optical storage Low power consumption High speeds Expensive	Lasers read and write the data Very cheap Durable Slow Used for: Music / movies Capacity: 650Mb -50Gb

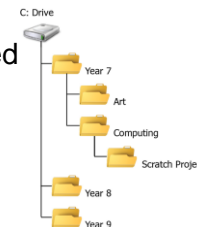Examples of input devices – devices that send information into a computer are:
• Keyboard
• Mouse
• Scanner
• Touchscreen
• Joystick

Examples of output devices – devices that send information from a computer are:
• Monitor
• Printer
• Speakers
• Headphones
• Projector

When I structure folders and save work I need to remember to:
Names files correctly with a name I will understand in the future
• Save work in folders
• Have separate folders for each area of work.
• Keep it all organised

My responsibilities when using the school network (acceptable use policy) are:
• Keep my user name and password secret
• Do not go on inappropriate websites
• Use the network for school work only
• Use the email sensibly
• Communicate with other students in a kind, sensible manor