

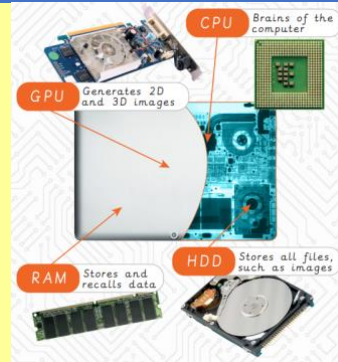
Knowledge Organiser

Year 3 – Autumn Term – Journey Inside a Computer

What I should already know	Key Knowledge				Key Vocabulary
<p>The name of some computer peripherals and their function. That buttons cause effects. That technology follows instructions.</p>	<p>What is a computer?</p>	<p>A computer is an electronic machine that accepts and processes information to produce an output, and then stores the results.</p>	<p>What is memory for? Why do computers have memory?</p>	<p>Memory is the electronic holding place for the instructions and data a computer needs to reach quickly. It's where information is stored for immediate use. Without it, a computer would not be able to function properly. Memory is also used by a computer's operating system, hardware and software. RAM is Random Access Memory. A piece of hardware that allows data to be recalled or stored within a computer. ROM is Read Only Memory. Information stored within ROM can only be read and not edited.</p>	<p>Computer Program – A series of instruction, that are written for a computer to follow, using inputs and outputs to produce an outcome. Also know as software or applications (apps) Data – Information used for a specific purpose or investigation Desktop – A tower computer that needs a mouse, keyboard and monitor, that remains in one place. Instructions – A series of steps that need to be performed in order. QR code – Quick Response code. Is presented in a similar way to a bar code and when scanned, takes</p>
<p>Things I need to know</p>					
<p>Some inputs and outputs that a computer uses. That the computer sends and receives information. That the parts of a laptop work together and the purpose of each part. How different types of computers are similar and different.</p>	<p>What are the components inside a</p>	<p>The computer parts inside a laptop are a GPU, CPU, RAM and HDD.</p>	<p>What are these parts for?</p>	<p>CPU – Central Processing Unit. The brain of a computer that deals with all the date it receives from input and output devices, as well as programs run within the computer.</p>	
<p>This will help me in the future:</p>					

To use computers more purposefully.

computer?



GPU – Graphics Processing Unit. It is a piece of hardware that is used to help generate 2D and 3D images for programs such as games.

Hard disk drive (HDD) – An internal or external device that can store information such as files, documents, images and programs.

you to a specific website or provide information

Tablet device – A handheld computer, that consists of a touchscreen, operating system and a rechargeable battery.

Trackpad – An input device commonly found built into Laptops. It is used to move the cursor with the touch of a finger, and some allow for multiple finger gestures.