



Prior Learning

- I know ways that the internet can be used in effective communication.
- I know I must consider the truth of the content of websites.
- I know that there are age restrictions symbols on digital media and devices.
- I know that a blog can be used to communicate.



Sticky Knowledge

- I understand how children can protect themselves from online identity theft
- I understand that information put online leaves a digital footprint or trail and that can aid identity theft.
- I can identify the risks and benefits of installing software including apps.
- I understand that copying the work of others and presenting it as their own is called 'plagiarism'
- I know how to use appropriate behaviour when working together on online projects.
- I can identify the positive and negative influences of technology on health and the environment.
- I understand the importance of balancing game and screen time with other parts of my life.



Vocabulary

attachment	A file, which could be a piece of work or a picture, that is sent with an email.
citation	Making reference to the original source of a piece of information, quotation or image.
collaborate	To work jointly on an activity or project.
cookies	A small amount of data generated by a website and saved by a web browser. Its purpose is to remember information about the user.
copyright	When the rights to something belong to a specific person.
digital footprint	The information that exists on a the internet as a result of someone's online activity.
malware	Software that is designed to disrupt, damage or gain unauthorised access to a computer system.
phishing	sending emails pretending to be from a reliable source to gain access to personal information.
spam	Messages sent over the internet, to may users, to for the purposes of advertising, phishing or spreading malware.
SMART rules	A set of rules based around the word SMART, designed to keep you safe online. (SAFE, MEET, ACCEPT, RELIABLE, TELL
virus	A piece of code which can copy itself and damage a device, such as a computer system.



Year 4 Computing: Hardware Investigators

Prior Learning

- I can describe the way hardware works to connect computers.
- I know some of the ways that data is passed across the internet.
- I understand how computers can be linked to web browsers abroad.
- I know that I must be careful about sharing personal information.



Motherboard



Network card

Sticky Knowledge

- I understand and can name the different parts that make up a computer.
- I understand the difference between hardware and software.
- I know how to use equipment responsibly.

Vocabulary

motherboard	A printed circuit board containing the main parts of a computer or other device, with connectors for other devices to be slotted into.
CPU (central processing unit)	The part of a computer in which operations are controlled.
RAM (random access memory)	Allows programs to store information to help the computer run more quickly.
graphics card	A printed circuit board that controls the output to a display screen.
network card	An electronic device that connects a computer to a computer network.
monitor	A screen which displays an image generated by a computer.
speakers	A device for letting you hear sounds generated by the computer.
keyboard and mouse	External input devices.