

Threshold Concepts
Programming
Data handling and multimedia
Technology in our lives
E-safety

Evolution and influence of the internet

Summary: The global computer network called the internet is part of our everyday lives at home and at school.

It is made up of millions of computers all over the world that are digitally connected to each other by **cable, fibre or wireless links**. You can use the internet to browse websites, communicate with people, download pictures and videos, listen to music or do lots of other amazing things. In this topic, pupils will learn about the origins of the internet and the World Wide Web, and how it has evolved into the network they use today. They will consider the type of information they find online, its source, and its relative reliability.

Knowledge Areas

Generating	Debugging	Problem solving and logic	Research	Information	Presentation	Software	Technology in our lives	Privacy and personal information	Consent	Behaviour/citizenship
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Software

Use of search engines and other software programs to access information on the World Wide Web.

Behaviour/citizenship

Know who to talk to if they encounter any behaviour that makes them feel uncomfortable, threatened or unhappy online. Know how to report any suspicions. Be responsible digital citizens; think carefully before writing anything online- know that it can never truly be deleted.

Privacy and personal information

- Start to check the validity of a website e.g. look for the author via 'contact us' or 'about us' area of the website.
- Know a digital footprint may last a lifetime and some of it can be tracked by others.
- Know never to share personal information online, and to keep passwords etc private
- Understand the need for privacy settings on any social networking sites (and that those privacy settings may not be observed by online 'friends')

Technology in our lives

Understand how the 'digital revolution' has impacted the lives of people.

Describe how the internet is structured and name some ways in which it can be accessed and used.

Know that information found online is not always reliable. Learn reasons that people put false or misleading information on the internet. Learn criteria for differentiating fake news from credible news. Practice evaluating the credibility of information they find on the internet.

Understand the terms:

- . Clic bait
- . Scam
- . Phishing
- . Malware
- . Fake news

Use a range of sources to evaluate the reliability, validity and security of information found online.

