

National Curriculum Links: KS2 Computing

- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

Information Technology Vocabulary	
Information technology	Information technology (IT) is the use of computers to store, retrieve, transmit, and manipulate data or information
computer networks	Two or more computers that are connected with one another for the purpose of communicating data electronically
internet	The internet is a huge network of computers all connected together
World Wide Web	The world wide web ('www' or 'web' for short) is a collection of webpages found on a network of computers
communication	There are many different types of communication technology. They all have different strengths. It is important to think about which type of communication is best for each occasion
collaboration	The action of working with someone to produce something
evaluate	To judge something for its value, reliability and use
search engine	A great way to find things on the web using key words or filtering results
online information	Online information is found, on the internet, viewed and interpreted
privacy	Someone's right to keep their personal matters and relationships secret
security	To keep all the information stored on a computer or on the internet safe from people who want to steal it or change it
copyright & ownership	Copyright is a legal protection extended to those who produce creative works. The act or right of possessing something

I can...

IT6.1 explain how search engines work and how results are selected and ranked

IT6.2 explain how to use search technologies effectively

IT6.3 explain how and why some people may present 'opinions' as 'facts'; why the popularity of an opinion or the personalities of those promoting it does not necessarily make it true, fair or perhaps even legal

IT6.4 describe how some online information can be opinion and can offer examples

IT6.5 define the terms 'influence', 'manipulation' and 'persuasion' and explain how someone might encounter these online

IT6.6 describe how and why people should keep their software and apps up to date, e.g. auto updates

IT6.7 describe simple ways to increase privacy on apps and services that provide privacy settings

IT6.8 describe strategies to help me identify such content (e.g. **scams, phishing**)

IT6.9 demonstrate how to make references to and acknowledge sources I have used from the internet

IT6.10 suggest what technology might look like in twenty years' time



Cyber-crime

Cyber-crime continues to rise in scale and complexity, affecting essential services, businesses and private individuals alike. Cyber-crime costs the UK billions of pounds, causes untold damage, and threatens national security



Inappropriate content and contact

Use filters to block explicit content. Use the reporting tools in games and apps to block and report users. If you need further advice there are sites that can help e.g. CEOP, Childline and Barnardo's



Privacy

Would you open your front door and let strangers in? Of course not!

Always check regularly the privacy settings in the apps and games you use

Website Evaluation 5W's

- 1 - Who wrote it?
- 2 - What is the purpose of the resource?
- 3 - When was the resource published?
- 4 - Where is the information from?
- 5 - Why is this resource reliable?

Can you share five facts about our technology pioneers?

Alan Turing and Elon Musk




What do you think technology will look like in twenty years time?

