

Knowledge Mats – Information Technology – Year 6

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	Information technology (IT) is the use of
technology	computers to store, retrieve, transmit,
	and manipulate data or information
computer	Two or more computers that are
networks	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	The world wide web ('www' or 'web' for
Web	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,
evaluate	reliability and use
search engine	A great way to find things on the web
	using key words or filtering results
online	Online information is found, on the
information	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 &	Copyright is a legal protection extended
ownership	to those who produce creative works.
	The act or right of possessing something

I will know...

- how to save and retrieve work from different places independently
- how to effectively research using the world wide web
- what technology might look like in twenty years' time
- strategies to enable me to analyse and evaluate the validity of 'facts' and I
 can explain why using these strategies are important
- how to identify flag and report inappropriate content
- what to do if my password is lost or stolen
- what app permissions are and can give some examples from the technology or services I use
- simple ways to increase privacy on apps and services that provide privacy settings
- and can demonstrate the use of search tools to find and access online content, which can be reused by others
- and can demonstrate how to make references to and acknowledge sources I have used from the internet

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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

ⁿ5W'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 **Bletchley Park Code Crackers**?



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

