

Year 6 Understanding Big Data Knowledge Organiser

Key words and prior learning used in Year 6 Computer Networks Part 2

Internet – a global network of computers in which any computer can communicate with any other computer as long as they are both connected to the internet

World wide web – an application that runs on the internet to allow us to share information such as documents and images delivered to us on web pages

Encryption – the process of converting information or data into a code, especially to prevent unauthorised access

Phishing – fraudulent practice of sending emails pretending to be from reputable companies in order to get individuals to reveal personal information, such as passwords and credit card numbers

Who uses skills like these?



- Data Scientist (a person employed to analyse and interpret complex digital data)
- Big Data Engineer (a person who creates and manages a company's Big Data infrastructure and tools, and is someone that knows how to get results from vast amounts of data quickly)
- Ethical Hacker

Key words for Year 6 Understanding Big Data

Big Data - extremely large data sets that may be analysed computationally to reveal patterns, trends, and associations, especially relating to human behaviour and interactions.

Digital Footprint - is a trail of information you leave behind every time you go online.

Hacker – is someone who uses their computer skills to gain unauthorised access to systems or networks in order to commit crimes.

An ethical hacker is a person who hacks into a computer network in order to test or evaluate its security, rather than with malicious or criminal intent.

BIG DATA



Key Learning	Self-Assessment		
	WT	A	WA
I can explain what big data means			
I can explain what digital footprints means			
I can evaluate my own digital footprint			
I can explain why understanding terms and conditions for online platforms is important			
I can give examples of some of the rights companies have when you agree to their terms and conditions			
I can give examples of some of the rights companies have when you agree to their terms and conditions			
I can explain what an ethical hacker is and what they do			
I can explain why a hacker might want to steal data			
I can explain what website cookies are			
I can explain why someone would or would not want cookies enabled on their computer			
To be able to explain the pros and cons of accepting cookies			
I can explain multiple ways in which big data is used for good			