Trinity Primary School - Computing

Topic: Computer Systems	Year: 6	Strand: Computing Systems and Networks

Remember...

In this unit learners explore how data is transferred over the internet. Learners initially focus on addressing, before they move on to the makeup and structure of data packets. Learners then look at how the internet facilitates online communication and collaboration; they complete shared projects online and evaluate different methods of communication. Finally, they learn how to communicate responsibly by considering what should and should not be shared on the internet.

Key Vocabulary	
IP address	A unique string of characters that identifies a computer and allows it to communicate through a network.
Domain name server (DNS)	A server used specifically used for matching website host names.
Data packets	A basic unit of communication over a digital network.
programming	The process of writing a computer program—of creating code
protocols	Rules that computers need to follow

Links to Online Safety

Alongside this unit looking at computing systems and networks, elements of Online and Internet Safety will be covered as part of the Teach Computing Curriculum.

In this unit, we will be looking at describing and assessing the potential risks of sharing information online across different networks and platforms. We will also look at elements of plagiarism and assess and justify when it Is acceptable to use the work of others.

Also in this unit, the idea of content sharing will be discussed and when it is acceptable to share media and content that is found in different networks and systems and the impact content sharing can have.

We will also look at how to make computer systems secure and how to assess if a network is safe for sharing information.

Retrieval Quiz

1) What are protocols?
2) What does IP in IP address stand for?
3) What is a website address known as?
4) What are the two parts to a data packet?
5) Name 3 different types of media that can be transferred as data packets.
6) Name 3 different ways of communicating electronically.
7) What does DNS stand for?
8) What are the potential risks of responding to a scam email?
9) What ways can we check to see if information we have read is true?
10) What is 'fake news'?

Useful Websites

https://teachcomputing.org/

https://www.raspberrypi.org/