Communication
Computing
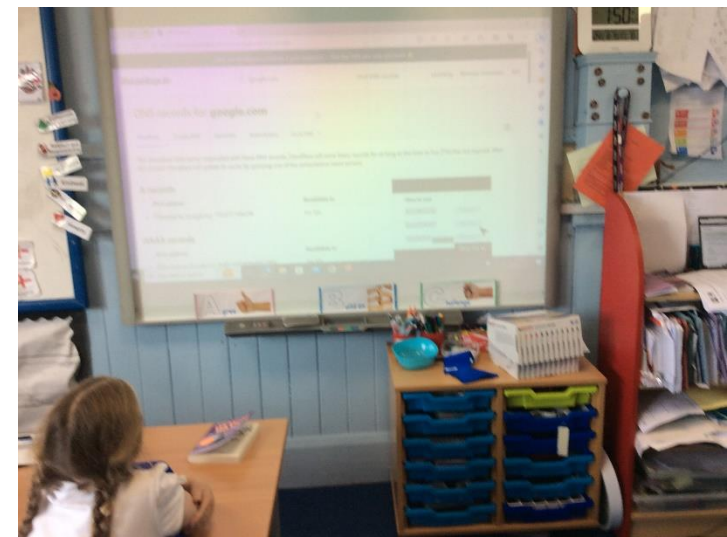# and Collaboration

Autumn 1 2023   **Class Lynher**

We discussed how we communicate on the internet compared to how we do it in real life. We then thought about addresses and learnt what an IP address is and what it looks like.

IP stands for internet protocol. A protocol is a set of rules.

In this lesson we learnt how data travels across the internet in packets. We learnt what the packets are made up of and how the IP address from last week linked with this. We sent messages in packets as if through routers and then looked at how images can be sent too.
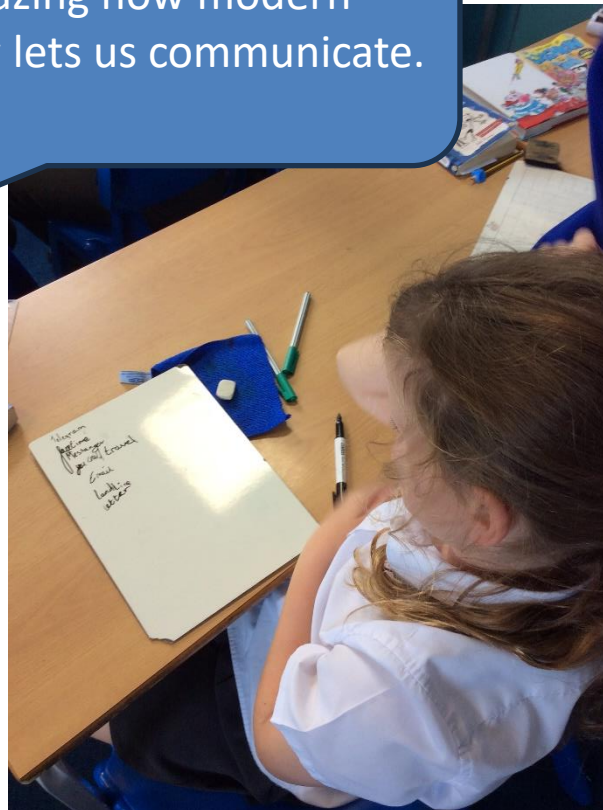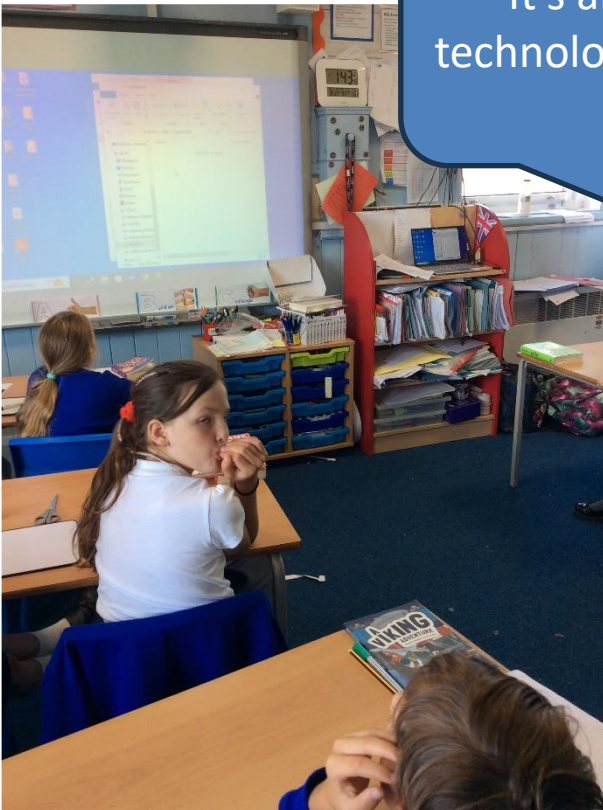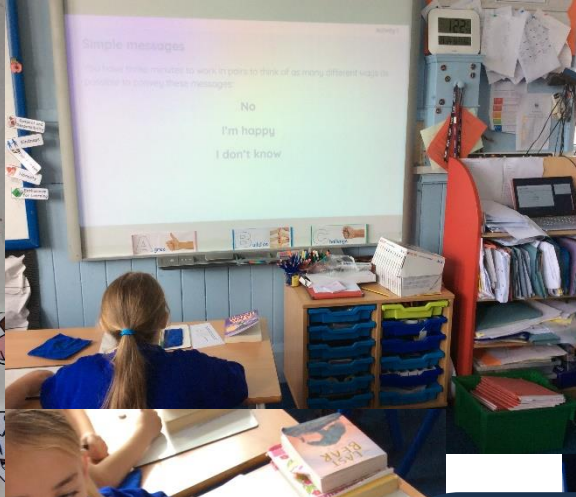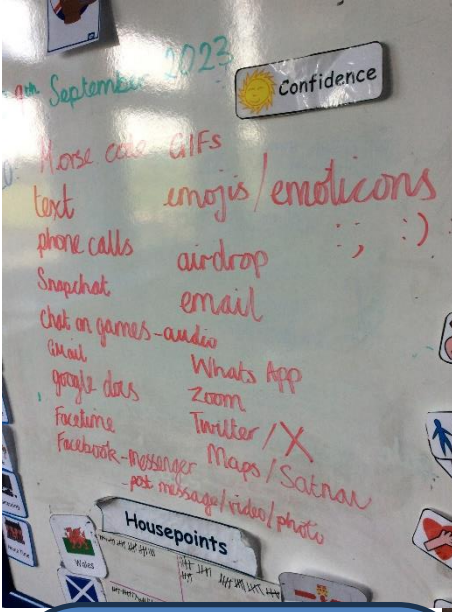

Data is transferred in packets and if it is large instead of a big packet it goes in lots of little packets.

In this lesson we thought about how we can work collaboratively through the internet. We linked this with our learning about information being transferred in packets and looked at attachments in email.

It's amazing how modern technology lets us communicate.

We were surprised at how many different ways we have for saying/showing hello without thinking about it.

First we considered ways we communicate simple ideas like hello and good. Then we thought about how we would communicate ideas in different scenarios online.

We thought about different forms of online communication considering whether they were public or private, age restricted, what they could communicate.
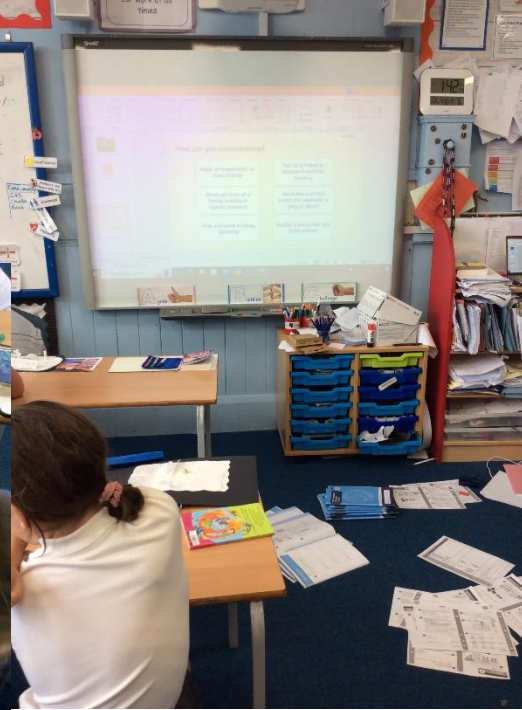
This was useful because it helped us think about how to be safe online in the future.

Finally we reviewed the scenarios from a previous lesson and reevaluated which method we would use in light of what we learnt about online communication last week.

It was quite difficult to find ways to fit the scenario because when we thought about the original ways but used what we learnt last week they wouldn't fit perfectly

Computing FLE Y5/6 — How can we communicate and collaborate on the internet?

Personal Development: The real life knowledge that links is:
How the internet works
The jobs it can be used in are:
Any company using computer systems, or projects that require online collaboration

Packet Traveling
How data gets from here to there

What I have learnt before:

What the internet is

Forever facts

All networked computers have an IP (internet protocol) address

All data transferred over the internet is in packets

The internet allows different media to be shared

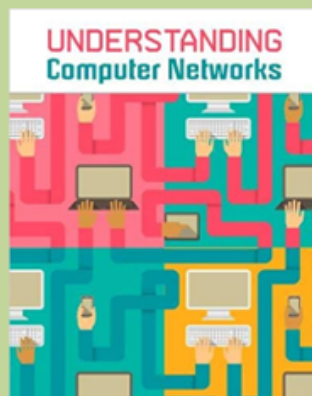Different methods of communication suit different purposes

Skills

I can identify and explain the main parts of a data packet

I can compare methods of communicating on the internet

I can identify different ways of working together online

Exciting Books

UNDERSTANDING Computer Networks

Our Endpoint

To apply what they have learnt to scenarios identifying how they would communicate or collaborate

Subject Specific Vocabulary

collaboration	an instance where two or more people work together to achieve a common goal
communication	means of sending or receiving information
packet	a segment of data sent from one computer or device to another over a network.
header	contains the sending and receiving of information in a data packet
data payload	contains the data in a data packet
internet	a global computer network
public communication	visible to all
private communication	may be restricted to certain individuals or groups
protocol	a set of rules or procedures for transmitting data between electronic devices