Year 6: Phoenix
Computing
Autumn 1

Systems and Networks:
Communication
E-Safety:
Self-image and identity

Key Vocabulary	Definition
collaborating	(verb) Working together to complete a task.
communication	(noun) The imparting or exchanging of information or news.
data payload	(noun) Contains the information (data) being sent. Similar to the letter.
Domain Name Server (DNS)	(noun) Is a computer which operates like an address book, matching website names to their IP addresses.
header	(noun) contains the information needed for the data packet to get from the sender (the 'from' IP address) to the recipient (the 'to' IP address). Similar to an envelope for a letter.
Internet Protocol (IP) address	(noun) An address that helps to locate your computer in a similar way to how a postal address helps to find a house.
one-way	(adj) The communication is only coming from somewhere e.g. a YouTube video with comments disabled.
packet	(noun) A small part of data shared between digital devices.
private	(adj) Your comments are restricted only certain people can see them. (E-Safety – this information is still able to be passed on to others without your knowledge)
protocol	(noun) A protocol is an agreed way of doing something.
public	(adj) Your comments can be seen by anyone e.g. YouTube comments.
remixing	(Verb) To save a copy of someone else's work to amend – it does not affect their version of the work.
two-way	(adj) The receiving person can respond therefore the communication can go back and forth.

Packet

A packet is made up of the header (which IP address it has come from and which IP address it is going to)

It also includes a data payload which is the message being sent.

Domain Name Server (DNS).

A type of computer which operates like an address book.

The left column of the list is the web address.

The right column of the list is the IP address of the webpage.

Computers can use these to communicate and get to the right piece of information.

Two-Way Communication

Two-way communication can be used through text messages and Whats App messages. The communication can be sent and received by both parties.