



Year 6 Computing & ICT Knowledge Organiser Autumn 1

Computing systems and networks – communication and collaboration



1. Internet addresses

Networked computers use special addresses called IP addresses and they use numbers. IP stands for Internet Protocol
The Domain Name Server matches IP to the domains (which is a website address)



2. Data packets

Computers send data across the internet in packets
Packets have two main parts: the header (this contains the address and other key information in, including sender's address) and the data payload (the message)



3. Working together

Sharing information online can help people work together
Working collaboratively can include creating a shared bank of information



4. Shared working

There are different ways of working together online
Shared work can also involve taking someone else's work and making it their own version – but watch out for copyright – you need to get permission first!



5. How we communicate

There are many different ways on which we can communicate using the internet: websites, online messaging (including WhatsApp and email), social media platforms



6. Communicating responsibly

We need to be mindful when sharing on line as to whether the information is public or private.
We need to be respectful of others when communicating online

Key Vocabulary

Communication

Where information is exchanged between individuals online

Public

Information which is open view for everyone to see

Private

Information shared with a particular person or group only

Internet

This is a global computer network providing information and communication facilities

Search engine

A program, like Google, that searches for items in a database

Collaboration

Working with someone to produce something