

# Computing



## UNDERSTANDING THE NETWORK

### National Curriculum

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration.
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

### Key Vocabulary

URL	Router	Access point	Footprint
Internet	Device	IP Address	Wired devices
HTML	Network	Apps	
Wireless	Firewall	Fibre optic	
Substantive- Subject Knowledge		Bigger Picture- Supporting Words	

Intents	Student
Do I understand the vocabulary associated with the school computer network?	
Can I identify different systems on the school network?	
Do I know the importance of an IP address?	
Do I know the difference between the internet and the world wide web?	