

Inspiring and enabling our school community to live life to the full



YEAR 4

Subject: Computing
Unit: Computing Systems and networks – The Internet

Characteristics of an Effective Learner

- Courage
- Commitment
- Collaboration
- Creativity
- Curiosity

We aim to equip pupils to use computational thinking and creativity to understand and change the world; to become digitally literate –using, and expressing themselves and developing their ideas through, information and communication technology. They will build on this knowledge and understanding, becoming equipped to use information technology to create programs, systems and a range of content– at a level suitable for the future workplace and as active participants in a digital world

Prior Learning:

Key concepts from Education for a connected World:

Year 1 Technology in the classroom

Year 2 Computing Systems and Networks – IT in the classroom

Year 3 Computing Systems and Networks – connecting computers

Key Vocabulary taught in this unit:

Internet, network, router, network security, network switch, server, wireless access point (WAP), website, web page, web address, routing, web browser, World Wide Web, content, links, files, use, download, sharing, ownership, permission, information, accurate, honest, adverts

Intent: What do we want the children to know, be able to do by the time they complete this unit?

- **Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a arrange of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.**
Use of the internet to collect, analyse and create information
- **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 knowledge learned in Year 3 to understand how the internet works
- **Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content**
Understand the need to be selective when collecting information from the internet
- **Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.**
Understand the ownership of data uploaded and downloaded from the web.

Impact / Outcome:

What will the final product / result be?

Children will apply their knowledge and understanding of networks to appreciate the internet as a network of networks which need to be kept secure. They will be given the opportunity to explore the World Wide Web for themselves in order to learn about who owns the content and what they can access, add and create. They will evaluate online content to decide how honest, accurate, or reliable it is, and understand the consequences of false information.

P4C Inquiry (where appropriate)

N/A