

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



YEAR 3

Subject: Computing
**Unit: Computer Systems and Networks –
connecting computers**

**Characteristics of an Effective
Learner**

Courage
Commitment
Collaboration
Creativity
Curiosity

Prior Learning:

Key concepts from Education for a connected World:
Year 1 Computer Systems and Networks - Technology in the classroom
Year 2 Computer Systems and Networks – IT around us

Key Vocabulary taught in this unit:

Digital device, input, process, output, program, digital, non-digital,
Connection, network, network switch, server, wireless, access
point, network cables, network sockets

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 Scratch
- **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 logical reasoning to explain how some simple algorithms work, and to detect and correct errors in algorithms and programs**

Impact / Outcome:

What will the final product / result be?

Children will develop their understanding of digital devices, with an initial focus on inputs, processes and outputs. They will discover the benefits of connecting devices in a network. They will see examples of network infrastructure in a real-world setting.

P4C Inquiry (where appropriate)

N/A