

Autumn 2 Year 3 – Connected Computers

Computing Concepts



Presentation

Presentation
Expressing ideas



Systems

Systems
Knowing how to create and use programmes



Digital world

Digital World
Knowing how to use a range of technology

Curriculum Objectives

- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- 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
- 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

Learning Overview

Learners will develop their understanding of digital devices, with an initial focus on inputs, processes, and outputs. They will also compare digital and non-digital devices. Next, learners will be introduced to computer networks, including devices that make up a network's infrastructure, such as wireless access points and switches. Finally, learners will discover the benefits of connecting devices in a network.

Lessons will cover:

- How does a digital device work?
- What parts make up a digital device?
- How do digital devices work?
- How am I connected?
- How are Computers Connected?
- What does our school network look like?