

# Computing (Year 7)

Curriculum Map 2025-2026



Assessment Portfolio of Sound Editing

Sound Editing and Digital Audio

Micro:bit Assessment - Knowledge and Understanding

Developing Programming with a Micro:bit

Year 7 Term 3

### Key Concepts:

Properties of analogue and digital sound; how computers store sound files; file compression; Editing and creating digital sound files.



Year 7 Term 3

### Key Concepts:

Recap programming concepts from scratch unit; using programming concepts; physical computing - using inputs and outputs.



Understanding Computers

Assessment of Understanding Computers - Knowledge and Understanding

Understanding Graphics and Using Graphics Editing Software

Graphics Assessment - Skills, Knowledge and Understanding

VECTOR

BITMAP

Year 7 Term 2

### Key Concepts:

Input, output and storage devices; Fetch, decode, execute cycle; Optical storage and further developments; Binary to Denary conversions.

### Key Concepts:

Vector and Bitmap graphics properties; how computers store graphics; Editing and creating graphics.

Year 7 Term 2



Scratch Assessment - Skills, Knowledge and Understanding

Introduction to Programming using Scratch

Assessment of UCSER Knowledge & Understanding

Using Computers Safely, Effectively & Responsibly

Rules of the Computer Room

Year 7 Term 1

### Key Concepts:

Algorithms, Decomposition, introduction of basic programming concepts - strings, variables, data types and structures, selection and iteration.

Year 7 Term 1

### Key Concepts:

Sensible use of, Risks and dangers of social media, Security of personal data and safe gaming.