

Computing

Technology enables us to code, create and connect.

The Elements of Computing

Computational Thinking & Coding

Creating and Communicating

Online Safety

Component Knowledge

(The apps, software, hardware, systems, services, networks used)

Computational Thinking Skills

Logical Reasoning
Pattern Spotting
Decomposition
Debugging
Evaluating

Presenting Digital Work

Children communicate their ideas in digital publications, showing their composite knowledge and skills. They answer enquiry questions by publishing using:

- Digital books
- Word processing
- Slide show presentations
- Spreadsheets
- Podcasts
- Films

Evaluating and Making Choices

Children show understanding of online safety when they come together to discuss ways to solve problems that may arise in their personal lives.

Online Safety is taught in the first lesson of half term but also through other subject areas, such as PSHE and RSE.

Whole school online safety assemblies are planned by the Computing Leader at the end of each half term.

Composite Knowledge and Skills

(Software specific language and terminology)

Everyone Can Code Curriculum

Coding Skills:
Sequencing
Iteration
Event Handling
Conditional Statements
Variables

Create and Communicate Curriculum

Saving and Retrieving
Typing, Touch Gestures and Mouse Skills
Research by searching and selecting
Image
Video
Sound Engineering
Data Handling

Online Safety Curriculum

Systems, Privacy and Security
Online Bullying, Relationships and Well-Being
Digital Footprint and Reputation
Creative Credit, Copyright and Quality