

Computing KS3: Year 7

Ambition for
All



Year 7

HT1 - Hardware & Communication

Logging in to school systems.
File/Folder Management.
Input/output Devices.
Careers. Storage Devices.
Internal Components.
Networking Hardware.

Types of
Computer
Hardware



HT2 - Software

Hardware & Software
Relationship. Introduction to
Software. Applications.
Operating Systems. Careers.
Utilities. Data Representation.
Search Engines. E-Safety.

Types of Computer Software



HT3 - Algorithms & Programming

Computational Thinking.
Algorithms -
Flowcharts/Pseudocode.
Careers. Bubble Sorts.



HT4 - Block Programming

Scratch,
Input/Output/Variables/
Sequencing. Selection. It-
eration - Count & Condition.



HT5 - Spreadsheets I

Introduction to
Spreadsheets. Formulae.
Careers. Functions Sorting
and Filtering. Charts and
Graphs.



HT6 - Physical Computing (Microbits)

Introduction to Microbits.
Selection.
Inputs/Outputs/Variables.
Step counter project. Own
project.

