

Computing KS3: Year 7

Ambition for
All



Year 7

Types of
Computer
Hardware

HT1 – Computer Systems

Logging in to school systems, setting up an online account, Input/output Devices, Careers, Digital Literacy, ESafety, Storage Devices, Internal Components, Networking Hardware.

Types of Computer Software

HT2 - Software

Hardware & Software Relationship, Bebras, Introduction to Software, Applications, Operating Systems, Digital Literacy, ESafety, Utilities, Binary Numbers, Merry XMas.

HT3 – Algorithms

Computational Thinking, Flowcharts, Pseudocode, Bubble Sorts, Digital Literacy, ESafety.

HT4 – Block Programming

Scratch Introduction, Input/Output/Variables/Sequencing, Selection, Operators, Digital Literacy, ESafety, Iteration – Count (For).

HT5 – Spreadsheets

Introduction to Spreadsheets, Formulae, Functions, Careers, Digital Literacy, ESafety, Charts and Graphs.

HT6 – Physical Computing (Microbits)

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

