

# Computing KS3: Year 9

Ambition for  
All



Year 9

## HT1 – Algorithms & programming

Computational Thinking. Sorting (Bubble). Sorting (Merge). Operating Systems. Careers. Pseudocode. Python Input, Output & Storage. Python functions & selection. Bebras.

Types of Computer Hardware



## HT2 - Textual Programming

Python Selection. Bebras. Python Count. Iteration. Python Condition Iteration. Careers. Lists. Arrays. Sub routines. Functions.



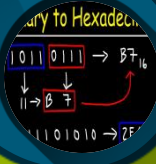
## HT3 – Hardware/Software

Input/output and Storage Components. The Central Processing Unit. Sys Software Operating Systems. Careers. Application Software. Main Memory. Secondary Storage. Storage Capacity



## HT4 – Game Development

Grid, Shapes, Variables, Sprites.



## HT5 – Game Development

Text, Draw Loop, Sprite movement, Conditionals, Inputs.



## HT6 – Game Development

Inputs, Velocity, Collision detection, Functions.

