Computing
KS3: Year 8

Ambition for All

HT1 – Algorithms & Software

Flowcharts. Pseudocode. Searching (Linear). Searching (Binary). Careers. Application software. Systems software. Bebras.
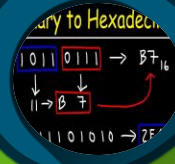
HT2 – Textual Programming

Python IOS. Bebras. Python Selection. Python. Python Condition Controlled Iteration. Careers.

HT3 – Data Representation

Binary. Denary. Logic Gates. Binary addition. Careers. Text ASCII/Images.

HT4 – Computer Systems/Networks

Input/output and Storage Devices. Hardware Components. Networking Hardware. Careers. Network Types. Network Topologies. Application Software.

HT5 – Project Management

Design Principles. PLC Analysis. PLC Design. PLC Implementation. Careers.

HT6 – App creation

Implement a design. AppLab