

Year 10 Computer Science Curriculum at Sandymoor Ormiston Academy

Learners will analyse policies associated with computing networks, the WWW and the internet.

Recall/
Formative

Endpoint
Assessment



Networks

Recall/
Formative



Procedural
Python
Programming

AW3

Learners will engage in rigorous programming unit.

This unit includes methods of computational thinking and writing algorithms.

Recall/
Formative

Learners will investigate the modern day impacts of computer science.



Computer
Science
related
issues.

Endpoint
Assessment



Algorithms

Recall/
Formative

Learners will focus on operating systems and utility software.



Software

AW2

Endpoint
Assessment



Variables & data types, program flow, operations & string manipulation, arrays, file handling, databases & SQL, procedures and functions, defensive design, testing and translators & IDE's

Recall/
Formative

Development



Hardware



CPU, system architecture, CPU characteristics, memory and storage.

Recall/
Formative

101
010

Data
Representation



AW1

Binary Hexadecimal, character, images, sound and compression

STEM at Sandymoor

