

Plan Of Learning For The Year (Unit/Topic/Project Context)

Half Term 1

- Unit 4 – Computing Ethics

Half Term 2

- Programming practice in Python

Half Term 3

- Unit 7 – Testing and writing programs

Half Term 4

- Programming practice in Python and SQL

Half Term 5

- Mock exam preparation

Half Term 6

- Recap and recover material based on mock exam analysis

Feedback, Retrieval & Assessment

- Self and peer assessment
- End of unit marked assessments
- Verbal Q and A in lesson
- Online quizzes

Super curriculum opportunities / extra-curricular activities

- Opportunity to compare 2 programming languages and see syntax differences

Cultural Capital, SMSC, Careers and Futures

- Lessons on testing programs has links to testing done in the industry.

Common misconceptions

- That SQL is just a computer threat (in the form of an SQL injection attack). It is a programming language can be used in a negative way.

Connecting New Knowledge

- The order of units is based on the exam boards recommendation.
- Pupils will have learn the previous units in Year 10 and this year is spent on learning 2 new units whilst also recapping programming skills from year 9

Challenge for all

- Coding challenges such as the Codementum Challenge and Bebras Coding Challenge throughout the year.