Year 9 Assessment in Computing

# Topics During the Academic Year

* Unit 1 – Staying Safe 3
* Unit 2 – Cryptography
* Unit 3 – Web Development
* Unit 4 – Python
* Unit 5 – Databases
* Unit 6 – Networking

# Formative Assessment of Progress

Students work is assessed as they complete each unit of work.

# Summative Assessment of Progress

In addition to this, year 9 students will complete **two** written exam type papers.

**Assessment 1 (Autumn Term)**

This assessment will cover the following areas of the Year 9 curriculum:

Unit 1- Staying Safe 2 (Email scams, Hacking, Protecting Personal Data, Copyright, Health and Safety)

Unit 2 – Cryptography (Cryptography, binary and ASCII, cipher, analysis, enigma)

The assessment will test student’s knowledge and understanding of the concepts covered in the first term of Computing and will include a range of multiple choice and short answer questions.

**Assessment 2 (Summer Term)**

This assessment will cover the following areas of the Year 9 curriculum:

Unit 3 – Web Development (HTML, CSS, Design, Development)

Unit 4 – Python (Strings and variables, numbers and arithmetic, selection, writing algorithms, while loops)

Unit 5 – Databases (Creating a table, queries, input, creating a report)

Unit 6 – Networking (Types of Network, connectivity, topologies, client-server, encryption)

The assessment will test student’s knowledge and understanding of the concepts covered in the second and third terms of Computing and will include a mixture of multiple choice and short-answer questions along with more extended questions which will test student’s skills of analysis and evaluation.