Year 9 - ICT/Computer Science

Curriculum content

Half term	**Year 9**
Autumn 1	Introduction to the school network Digital literacy E-safety Assessment 1 The Internet
Autumn 2	Representing images in computing systems Repurposing digital artefacts HTML & CSS programming Assessment 2
Spring 1	Computational thinking Writing algorithms
Spring 2	Programming in Python Assessment 3
Summer 1	Spreadsheets & Macros
Summer 2	

Skills

The skills developed throughout the course include:

- using computational methods to understand, design and write algorithms;
- using logical reasoning to solve computational problems;

- programming skills, using a range of textual programing languages;
- problem solving skills to solve computational problems;
- numeracy skills to understand and use different number systems;
- being creative to complete projects that involve selecting, using, and combining multiple applications to achieve challenging goals;
- creating, reusing, revising and repurposing digital artefacts for a given audience, with attention to trustworthiness, design and usability;
- digital literacy to be able to successfully find, evaluate, create and communicate information.

Assessment

Internal assessment takes place at three points of the academic year, in line with the school's assessment policy. The assessments are as follows:

Assessment 1 – E-Safety Extended Writing

Assessment 2 – The Internet

Assessment 3 – Algorithms & Programming