

COMPUTING



SKILLS

KNOWLEDGE

Year 11
Pupils create complex programs that make use of sub-programs, iteration, selection as well as reading and writing to files to solve problems. Pupils can discuss a range of issues surrounding the use of technology

Year 10
Programming becomes more complex and regularly asks pupils to solve problems by using a combination of technique. Identifying security threats and prevention.

Year 9
Pupils build on their prior work with Python including more complex methods to store and manipulate data. Pupils understanding of how system components work together becomes more specific and complex

Year 8
Programming using Python, understanding Variables, Inputs and outputs of a program. How data, stored as binary, can be used to represent a value, a character, a colour or a sound. Organising data in a meaningful spreadsheet

Year 7
Understanding the components that make a computer, how computers network with each other, how a webpage displays on a screen and how to develop a sequence of instructions to solve a problem

