

### Your child will study

#### Year 10

Autumn Term

Programming Languages

Variables/constants, Subprograms (Functions, Procedures), Print, Input, Data Types, Maths Hardware

von Neumann, RAM, CPU, FDE, storage, memory, embedded systems)

Spring Term

Programming Languages

Relational and Logical Operators, If; Elif; Else (Selection), While (Repetition)

Data

Binary, data representation, data storage and compression

Summer Term

Programming Languages

Making Your Own Functions, Variable Scope. Organising Code Properly, using Turtle

Networks, network security, boolean logic

#### Your child will study

#### Year 11

Autumn Term

Programming Languages

Python re-introduction, trace tables, reading files  
Ethics in computing, network security

Spring Term

Programming Languages  
Consolidation, exam practice

Theory  
Algorithms, flowcharts, logic tables, other theory revision

Summer Term

Revision

Masterclasses

Exams