

Computing Roadmap

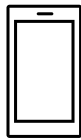
Key Concepts

Algorithms
Computing systems
Creating media
Data and information
Design and development
Effective use of tools
Impact of Technology
Networks
Programming
Safety and security



Year 10

Security
Impacts on Society
Data Representations



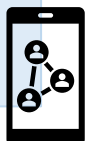
Networks
Computer Systems
Algorithms

Year 8

Design Vector Graphics
Computing Systems
Development for the Web
Representations: from clay to silicon
Mobile App Development
Intro to Python Programming



To promote online safety, tailored sessions are delivered to all students three times during the academic year (Autumn Term, Spring Term and Summer Term).



Year 11
Non-GCSE

IT and the world of work
Spreadsheets
Media



Year 9

Animations
Data Science
Cybersecurity
Representations: going audiovisual
Python programming with sequences of data
Physical Computing Programming



Year 7

Impact of Technology – Collaborating Online Respectfully
Gaining Support for a cause
Networks: from semaphores to the Internet
Spreadsheets
Programming essentials in Scratch: Part 1
Programming essentials in Scratch: Part 2

