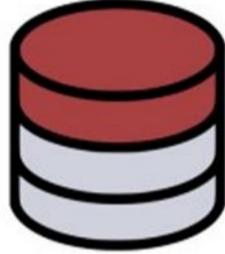


Year
7



E Safety

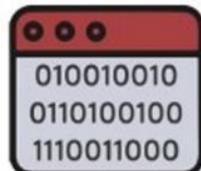
- Staying safe online
- Protecting your personal data
- Secure passwords

Scratch Programming

- Intro to programming
- Code Blocks

Understanding Computers

- Input, process, output
- Peripherals
- Binary Arithmetic



Flowol

- Sequence
- Selection
- Iteration

Database development

- Table design
- Validation
- Verification

Introduction to Python

- Sequence
- Selection
- Iteration
- Variables

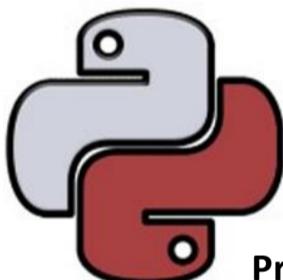
Networks

- Data packets
- Bandwidth
- Choose the right internet package

Year
8



Year
9



Spreadsheet modelling

- Computer models
- Selection
- Automation

Advanced Python Programming

- Lists / Arrays
- Functions / Procedures

Computational thinking

- Algorithms
- Abstraction
- Logic

Artificial intelligence

- Machine learning
- Racial / gender bias
- Wealth gap

Web development

- HTML programming
- Website design

Cybercrime and law

- Copyright
- Computer misuse
- Health and safety
- E-Waste

Year
10



Image manipulation

- Body image
- Photo editing
- Fulfil a brief

Digital graphics and identity

- Client Brief
- Pre- and post-production
- Creating artifact

Programming

- Dictionaries
- Procedures
- File handling

Data representation

- Images and Text
- Sound
- Compressions

Systems Architecture

- Fetch decode execute
- Peripherals
- Storage and memory

Year
11

Logic and languages

- Algorithms
- Abstraction
- Decomposition

Networks

- Data packets
- Topologies
- Network hardware

Algorithms

- Searching
- Sorting

Security and systems software

- Network threats
- Utility software
- IDE's
- The operating system

Impact of digital technology

- E-Waste
- Legal and Ethical
- Automation
- Culture and Globalisation



Routes to Remarkable

COMPUTER SCIENCE