



**YEAR
9**

Impacts of
Technology –
Legal, ethical and
environmental

Digital
Literacy

IT and the World of
Work

NEW IT and
the World of
Work

String manipulation
Techniques

Python Programming

Design and
implement programs

Designing Programs

What is the IoT

NEW IoT
The Internet of
Things

KS4

Collaborative working and
Digital Platforms to
support remote working

Flow charts /
Pseudocode

Design your own
IoT device

Python
programming –
Loops and Arrays

Python
programming

The structure of the
internet/bandwidth
and Wi-Fi.

Computer
Networks

Binary
representation of
Images and Sound

Data
Representation

MS Excel

ICT

**CyberFirst
Girls
Competition**

Choosing reliable
online sources

Cyber Security

Mindfulness of
technology use

Healthy digital
habits

Logic Gates

Data
Visualisation and
validation

Avoiding online scams

**YEAR
8**

Create and
safeguard
passwords

Digital
literacy

Understanding
your digital
footprint

Online
Safety

Online safety and
online reputation

MS Office
Skills

SUM, MIN,
MAX, AVERAGE

NEW AI &
Machine
Learning

What is computer
science?

Intro to
binary

PC Performance
and “Under the
“Hood”

Inside the
PC

User inputs,
calculations and
branching code!

Python
Programming



**YEAR
7**

Identify Cyber
Threats

Digital
literacy

Social Media tools
and settings

Online
Safety

MS Excel skills

MS Office
Skills

Number bases
and binary digits

Intro to
binary

What’s inside a PC?

Inside the
PC

Introduction to Python /
Coding with BBC Micro bits

Python
Programming