

KS4



Computer Science Learning Journey

KS3

MS Office Entry Level 3

Command Line

File Management

How to Store Text files using command line

Learn about Artificial Intelligence

introduction to databases

Think about encryption ethics

Advanced Coding

Introduction to Raspberry Pi and the Linux Operating System

Year 9

Think about AO consequences

Learn how does encryption works

Coding Testing & Debugging

Program Development

Programming Techniques

Problem Decomposition and Algorithm Design

The Software Development Cycle

Effective coding

MS Office Entry Level 2

What is inside a computer

How it all works

The CPU

Introduction to HTML

Linking pages

How are networks kept secure?

Text Coding

Year 8

Choose a graphic card for gaming

Formatting Text & images

What is a network?

Network hardware & topology

Data Type and Arithmetic

Introduction to Python - input & output

Programming a digital compass

Programming a digital Dice

Introduction to Microbit

Creating a simple bot

How to use "If" for selection

Introduction to Python - variables

Creating a hand held Console

MS Office Entry Level 1

How to differentiate software and hardware

How to recognize the different parts of a computer

Take a computer apart and put it back together

Know about Copyright and project Planning

How to manage money & budgets with Excel

What to trust online

Block Coding

Year 7

Planning an animation and discovering Serif DrawPlus

Apply to a personal project

Staying safe online

How to pilot a drone

Baseline Assessment

Evaluate a game

Create a game using Scratch

How to write an algorithm

How to program a drone

How to use Microsoft 365