



*Celebrating 45 Years*

**Curriculum Learning Map 2017-2018**  
**ICT**

	Term 1-1	Term 1-2	Term 2-1	Term 2-2	Term 3-1	Term 3-2
Year 7	Representing Data: Images, Sound and Text  Computational Thinking	Scratch - An Introduction  Online Safety Cyberbullying and Grooming	Sequencing Instructions (LOGO/Turtle)	Spreadsheets and Modelling (Harry Plotter)	Python: An Introduction	Flowcharts
Year 8	Animation - Pivot Stickfigure  Pseudocode: An Introduction  Gangsta Zoo (Spreadsheets)	Impact of ICT on society  Online safety: Viruses, password security and digital footprints	Sorting and Searching Algorithms  Binary Numbers	HTML 4 and CSS: An Introduction	Python: Numbers	Email, Features and Functions
Year 9	Data Handling (Super Heroes)  Boolean Logic, Logic Gates and Truth Tables	3D design and Google Sketchup  Online Safety Sexting and Selfies	A Good Breakfast (Modelling)	Technology In The Future. A project using Prezi	Python: Drawing  Hardware and Computer Systems	Hardware and Computer Systems



<b>Year 10</b>	Introduce Subject and assessment criteria. PC systems hardware understanding. Input / output / types and understanding of memory. Spreadsheet and databases practical skills. Networks, security, introduction to the practical assessment task.	Impact on individuals, legal issues, Word databases. Safe working environments, risks to data protection, learning about LAN/WAN networks.	ICT sources, security of data, sorting, organizing data and practical skills based on websites.	Spreadsheet Project/skills Computer Laws Data logging and control Data Protection/ Computer Misuse/Practical Test	Database concepts and practical skills Design and formatting theory Operating online, potential risks to data and personal information.	Database, presentation and spreadsheet skills.
<b>Year 11</b>	Review previous year. Examination practice. Operating online Data security, Virus protection, prevention of unauthorized access. Examination Practice	Online goods and services. Database recap skills. Appropriate search techniques, queries to locate and select relevant information.	Be able to enter, format, develop and analyse numerical Information, data collection. Connectivity and securing data.	Practical revision of all topics, websites, databases, spreadsheets, presentation skills.	Practical revision of all topics, websites, databases, spreadsheets, presentation skills.	Review previous year. Examination practice.  Data security, Virus protection, prevention of unauthorized access. Examination Practice

**Each unit varies in length from 2 – 6 weeks**