Welcome to KS3 ICT

	Year 7	Year 8	Year 9
Autumn 1	Introduction • File management and organisation • Ergonomics • Internet safety Vocabulary Ergonomics / Physical Stress / Lighting Stress / Social Media / Online Identity / Offline Identity / Acceptable Use Policy / Input / Output/ trust/ Responsible /conduct/ report concerns/ identity/ protecting/secure/ respectful/safe	Introduction • Ergonomics • Internet safety • Web browsing • Accessibility tools and settings • Email Vocabulary Ergonomics / Physical Stress / Lighting Stress / Social Media / Online Identity / Offline Identity / Acceptable Use Policy / Input / Output/ trust/ Responsible /conduct/ report concerns/ identity/ protecting/secure/ respectful/safe	Introduction • Ergonomics • Internet safety • Web browsing • Accessibility tools and settings • Email Vocabuary Ergonomics / Physical Stress / Lighting Stress / Social Media / Online Identity / Offline Identity / Acceptable Use Policy / Input / Output/ trust/ Responsible /conduct/ report concerns/ identity/ protecting/secure/ respectful/safe
Autumn 2	School electrotonic Systems • Logging into systems • e-communication- Email • Web browsing • Accessibility tools and settings • Email Vocabulary Sorting/ Searching/ Privacy/ Password/ Email Address/ Communication/ Understand several key algorithms/ Computational	Game Design & Creation • Practise • Design • Create their own game • Exporting executable files and use of Microsoft Publisher Vocabulary Audience/ Print/ layout /Graph/ types /Sprites/ Objects/	Hardware and App creation • Input, Output, Storage devices • Technology for Special Needs • Design Hierarchy & Microsoft PowerPoint • Create own phone app Vocabulary Syntax/ Debugging/ Sequence/ Iteration /Flowcharts/ Pseudo coding/ Types of Testing: Unit, System/ User Syntax

	thinking/ Logical reasoning /Hardware/software components/communicate/ systems	Properties/ Events /Cell reference /Formula Function/ Feedback/ Evaluation /Filter and Queries creative projects/selecting/using/ combining multiple applications/range of devices/challenging goals/collecting/ analysing data/needs /users	Logic gates – AND, OR, NOT Devices – Input, Output /Storage Instructions/stored/executed/ data/types /text/sounds/pictures/binary digits
Spring 1	Computer Animation Storyboarding /Creating Editing Analysis Sequencing Selection Audience Evidence Queries	Spreadsheets & Excel • Cells, formatting and printing • Calculations, Formulae and Functions • -Graphs and Filters	Spreadsheets & Excell • Data types • Formatting tables • Sorting tables • Cell referencing • Calculations, Formulae and Functions • Graphs and Filters
Spring 2	Computer Systems • Ecological aspects • History of computing • Computing in the community • Use of Microsoft Word Vocabulary Ecological/ History of computing/Computing in the community/Microsoft Word	Vocabulary Cells/ formatting/printing/ Calculations/Formulae/ Functions/Graphs/ Filters programming languages/ textual/ computational problems /data structures /lists/tables/arrays/ design/develop/modular programs/procedures /functions	Vocabulary Decomposition/ Flowcharts/ Coding/ Drawing and control create/re-use/revise/ re-purpose digital artefacts
Summer 1	Movie making on • Drag and drop coding • Repetition and selection Vocabulary real-world problems /physical systems/algorithms/ computational thinking/ sorting/ searching/ logical reasoning	Video Editing • creating adverts and short clips • editing sound files Vocabulary create/re-use/revise/ re-purpose digital artefacts/edit/sound/advert /clip/ create/re-use/revise/ re-purpose digital artefacts	Binary and Logic • Number systems - Denary – Binary – Hex • Logic Gates, Truth Tables and circuits Vocabulary Number systems/Denary/Binary /Hex/Logic Gates/Truth Tables/circuits Boolean logic: AND, OR and NOT/ circuits/programming/ numbers and binary/binary addition/ conversion/binary/ decimal
Summer 2	Databases & Querying Data	Databases and use of Microsoft Access	

| | | Vocabulary
creative projects/selecting/using/ combining multiple applications/range of devices/challenging goals/collecting/ analysing data/needs /users | Vocabulary
Database/ Microsoft Access / computer system/accessible /application/ creative projects/selecting/using/ combining multiple applications/range of devices/challenging goals/collecting/ analysing data/needs /users | |