



5 Year Subject Plan – ICT and Computer Science

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Digital Literacy (Using Aspire, File Management, Using Office products)	E-Safety (Digital footprint, Cyberbullying, protect yourself online)	Introduction to Scratch (Using Sprites, Using Iteration, Selection and variables)	History of Computing (CPU, OS's, Hardware, Spreadsheets skills)	Kodu (Designing and programming a game)	BMW Project (Spreadsheets, Graphics and Presentation skills)
Assessments	Online assessment and project	Online assessment and project	Online assessment and project	Online assessment and project	Online assessment and project	Project and end of year assessment
8	Social Networking (Advantages and Disadvantages of Social media, Staying safe, Malware, Phishing, Sexting)	Netflix Project (Graphics Design, Networks, Hardware)	E3 Expo Project (Graphics, Hardware, OS's)	Introduction to Programming with Python (Variable, input, output, selection)	Think Tank Project (Photo Editing, Graphics, Spreadsheets)	Comic Con Project (Web Site Development)
Assessments	Online assessment and project	Online assessment and project	Online assessment and project	Online assessment and project	Online assessment and project	Project and end of year assessment
9	Computing: Computer Hardware (CPU, Memory, Storage, Operating System)	iMedia and Business: Digital Graphics (Client Brief, Graphics editing, Photo Editing)	Computing: Programming with Python (input & output code, Working with Strings & Number, Selection)	iMedia: Web Development & Networks (Web Design, Networks, HTML and CSS)	Computing: Computational thinking & Algorithms (Binary, Hexadecimal, decomposition /Abstracting, Logic Gates)	iMedia and Business: Developing a Multimedia Product (Client Brief, Advanced Presentation Skills)
Assessments	Online assessment and project	Online assessment and project	Online assessment and project	Online assessment and project	Online assessment and project	Project and end of year assessment
10 Computing	Paper 1: System Architecture and Memory	Paper 1: Storage, Wired and Wireless Networks	Paper 1: Network Topology and System Security	Paper 1: Network Topology and System Security	NEA: Programming Skills	Revision - Computational Logic Revision - Computer Architecture Revision - Networking Revision – System Software

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Assessments	End of topic tests, portfolio of tasks.	End of topic tests, portfolio of tasks.	End of topic tests, portfolio of tasks.	End of topic tests, portfolio of tasks.	Class programming portfolio	Mock Exam
10 imedia	R082: Understand the purpose and properties of digital graphics	R082: To plan the creation of a digital graphic	R082: Create and review a digital graphic for a scenario	R085: Investigate websites, design, plan and create a multi-page website	R081: Examination prep. Exam questions, past papers	R085: Investigate websites, design, plan and create a multi-page website
Assessments	Summative Assessment	Summative Assessment	Summative Assessment	Summative Assessment	Formative and Summative Assessment First test	Summative Assessment
11 Computing	Paper 2: Producing robust programs and Computational Logic	Paper 2: Translators and facilities of languages and Data representation	Paper 2: Data Representation Computational Logic Algorithms, Translators and Languages	Paper 1 Revision: System Security and Software Ethical, Legal, Cultural and Moral Concerns Networks	Paper 2 Revision Recap of most challenging areas of topic 2.1 to 2.6	Paper 1 and 2 Revision Topics upon student request
Assessments	End of topic tests, portfolio of tasks.	End of topic tests, portfolio of tasks.	End of topic tests, portfolio of tasks. Paper 1 Mock Exam	Past Papers	Final Exam Papers 1 and 2	Final Exam Papers 1 and 2
11 imedia	R085: Investigate websites, design, plan and create a multi-page website	R085: Investigate websites, design, plan and create a multi-page website	Ro81 Pre- Production Exam preparation	RO87: Uses and properties of interactive multimedia products	RO87: Plan, design and review interactive multimedia products	RO87: Plan, design and review interactive multimedia products
Assessments	Summative Assessment	Summative Assessment	Formative and Summative Assessment First test	Summative Assessment	Summative Assessment	Summative Assessment