

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	THE BIG QUESTIONS	THE BIG QUESTIONS	THE BIG QUESTIONS	THE BIG QUESTIONS	THE BIG QUESTIONS	THE BIG QUESTIONS
YEAR 11 CS	NEA How do you interpret the design brief? How do you design the solution? What is the creation stage of the project? How do you use a CSV file? How do you use quit in a program? How can you use selection in your program?	NEA How do you ensure that your program meets the project brief? What changes need to be made following testing?	3.1 Fundamentals of Algorithms How can algorithms be written to solve computational problems?	3.7 Ethics What are the ethical, legal and environmental impacts of digital technology on wider society?	Revision for final exams How do you get the top marks on those final (9 or 10 mark) questions?	
YEAR 11 iMedia	R087 – Creating interactive multimedia products What are the key elements of an IMP? What software/hardware is required to create an IMP? How different factors affect access to IMPs How do you identify and meet client requirements? How do you plan the structure of an IMP? How do you test the effectiveness of an IMP? What are the legal aspects of creating an IMP?	R087 – Creating interactive multimedia products How do you ensure that your IMP meets the clients brief as well as your own design work? What changes need to be made to ensure that the IMP is working as it should following testing? What file types do you need to consider when exporting the IMP?	RO81: Pre-Production Skills (re-scheduled due to CV) LO1: What is the purpose of pre-production? LO2: How do you plan for pre-production?	RO81: Pre-Production Skills (re-scheduled due to CV) LO3: Are you able to produce pre-production documents? LO4: What skills are needed to review pre-production documents? ALSO: Any catch-up work that needs to be completed on previous pieces of coursework.	Revision for final exams	

YEAR 10 iMedia	R087 – Creating interactive multimedia products What are the key elements of an IMP? What software/hardware is required to create an IMP? How different factors affect access to IMPs How do you identify and meet client requirements? How do you plan the structure of an IMP? How do you test the effectiveness of an IMP? What are the legal aspects of creating an IMP?	R087 – Creating interactive multimedia products How do you ensure that your IMP meets the clients brief as well as your own design work? What changes need to be made to ensure that the IMP is working as it should following testing?	R087 – Creating interactive multimedia products How do you ensure that your IMP meets the clients brief as well as your own design work? What changes need to be made to ensure that the IMP is working as it should following testing?	RO81: Pre-Production Skills LO1: What is the purpose of pre-production? LO2: How do you plan for pre-production? Prep for exam	RO81: Pre-Production Skills LO3: Are you able to produce pre-production documents? LO4: What skills are needed to review pre-production documents? Prep for exam ALSO: Any catch-up work that needs to be completed on previous pieces of coursework.	RO85: Creating a multipage website What are the tools and techniques used to create professional websites?
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YEAR 9	Computer System What is a computer system? What are embedded systems and what is a CPU? Why do we need software? What are networks? Wired or wireless? What is a topology? What is a protocol?	Cyber security What threats do we face? What is social engineering and how do we keep ourselves safe? What are the main forms of malware and how can we protect against it?	RO82: Creating Digital Graphics How can digital graphics be planned for creation?	RO82: Creating Digital Graphics How can digital graphics be created?	RO82: Creating Digital Graphics How can digital graphics be improved?	iDEA
YEAR 8	Using computers safely What is e-safety and what pressures do we face online? How do we end cyber bullying? Algorithms What is an algorithm and how do we use them to create pseudocode? How can we use pseudocode to create a computer program? What is sequencing and how do we make a program more efficient?	Programming with Python How do I use Python? What are variables and how do I use them? What is selection and what impact does it have on a program? How do I use iteration to help my programming? How do I combine multiple elements in to one program?	Programming with Python How do I use Python? What are variables and how do I use them? What is selection and what impact does it have on a program? How do I use iteration to help my programming? How do I combine multiple elements in to one program?	Flash How are computer animations made? How can software be used to create an animated story?	Music Festival Project How can ICT be used to develop solutions to problems? How can you manipulate images and edit videos?	Music Festival Project How are websites developed? What software skills are needed? How can you manipulate images?
YEAR 7	Using computers safely How to stay safe online? What are online pressures that people face? How do you send emails? History of Computing	Computer Systems What do input and output devices do? What are the internal components and why do we need them? What is the CPU and how does it work?	Boolean Logic How is Boolean logic used in circuits and programming? How is binary used by computers?	Algorithms What are algorithms? How can they be represented in flowcharts?	Scratch What is programming? How can visual programming be used to create solutions?	Scratch What is programming? How can visual programming be used to create solutions?

	What is Colossus? Who was Moore and what was his law?	What is storage and how do the various forms work? What are the advantages and disadvantages of network types?				
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