(Computing	Unit 1: Int	roduction	to Pytho	n Program	ming	Computing Unit 2: Understanding Computers							Computing Unit 3 : Spreadsheet Quiz (Code & Macro's)							
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 1.1 Strings and variables 1.2 Numbers and arithmatic 1.3 Selection 1.5 While loops 1.5 While loo							week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 The standard of this Unit all pupils should be able to: Distinguish between hardware and software Solve examples of computer hardware and software Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 The standard of this Unit all pupils should be able to: Distinguish between hardware and software Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 The standard of this Unit all pupils should be able to: Distinguish between hardware and software Dis						J. DIRT	At the end of unit students will be able to: 1. Use simple functions to create a self-marking spreadsheet quiz 2. Use conditional formatting in a spreadsheet worksheetsand hiding the contents of cells areas in worksheets 1. Use Sample functions to create a self-marking spreadsheet quiz 2. Use conditional formatting in a spreadsheet 3. Locking worksheetsand hiding the contents of cells areas in worksheets 1. Use simple functions to create a self-marking spreadsheet quiz 2. Use conditional formatting in a spreadsheet 3. Locking worksheetsand hiding the contents of cells 4. Setting prints areas in worksheets 5. Creating hyperlinks to link worksheets							
								8. Explain the impact of future technologies													
Homework: Week2: To annotate the code provided. Can you identify comments, variable, inputs or other elements? What does the program do?							Homework: Week1: Parts of the PC worksheet OR Parts of PC Quizizz Week 3: Binary worksheet OR Binary Quizizz							Homework:							
Week 4: Write Pseudocode for a 3 question quiz							Week 5: Revision for end of topic assesment							Week 4: Spreadsheet formulae and Functions Quizizz							
Key Vo	cab: String		s, casting (input, out		oat), IF, EL	SE and ELIF,	Key Vocab: Input, process, output, device, hardware, software, fetch, decode, execute, binary, conversion, memory, RAM, ROM, denary, ASCII							Key Vocab: Spreadsheet modelling, Function, Formula, Calculations, Conditional Formatting, Cells, Columns, Rows, Macro							
step	s unit late	this year. Algorithm A Lev	OCR GCSE ns and pro el CS core	E C.S Pape blem solvi principle	r 2 exam c		Connected Knowledge: Binary & Hex Unit (Y7) Topics 1.1 – Systems architecture, 1.2 – Memory and storage, Systems software A level (H446) Topics 1.1 & 1.2 S-curricular and in the workplace							Connected Knowledge: Year 7 Spreadsheets unit, Links to Science/PE/Maths in data analysis To Maths and numeracy. BTEC IT use statistical data and data presentation in social media unit, NCFE iMedia students use excel to produce a Gantt Chart							

Social, Moral, Spiritual and Cultural Devleopment:

Cultural Capital: developing a digital literacy that will support them in the modern 21st century

Fundamental British Values: Employment Law and Discrimiation:

		Computin	g Unit 4 : C o	omputer Cr	ime		Computing Unit 5: Python Next Steps								Computing Unit 6: Video Production					
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 1	Week 2	Week 3	Week 4	Week 5		
	pnts tiun g			4.5 Health & Safety	ASSESSMENT	DIRT	Students are				5.5 Functions	ASSESSMENT	DIRT		of nit sting text			End of Year ASSESSMENT		
2.Distinguis	 1. Investigate the different crimes associated with technology 2. Distinguish the differences between different types of hackers 3. How to stay safe online 							At the end of the unit students will be able to: 1. Understand the use of strings and variables. 2. Understanding python code, including indentation and key words. 3. Be able to produce a calculator program. 4. Understand loops, selection and Boolean operators.							 consider audience and purpose choose/select appropriate content for the purpose. produce a video for a target audience 					
Homework: Week 4: produce a poster to highlight computer crimes and prevention methods								Homework: Week2: To annotate the code provided. Can you identify comments, variable, inputs or other elements? What does the program do?							Homework: Week 3: Create a storyboard design for a video of their choice (must include: Timings, Transitions, Fonts styles, sizes and colours)					
Week	5: A poster				n and health	and safety	Kou Vo coh	Christon	wighter cost	ing linto go	· floot\ IF		I. innut	Kau Va sah	h. Timalina	and lland	savalling h	uml salavus		
Key Vocab:Malware, Virus, Hacking, Trojan horse, Plagiarism, Copyright, DPA – Data protection laws.								Key Vocab: Strings, variables, casting (integer, float), IF, ELSE and ELIF, input, output								Key Vocab: Timelines, scroll and scrolling, html colour codes, font styles, font sizes, transitions, export				
Cultural re	Connected Knowledge: OCR GCSE C.S Paper 1 exam content – Ethics + Systems security A Level CS core principle Ethics + Systems security Cultural respect: Celebrating what we have in common and promoting respect for the different protected characteristics as defined in law Cultural Capital: developing an understanding of the online risks in the modern 21st contents.								Connected Knowledge: 1st Python unit, scratch unit principles, OCR GCSE C.S Paper 2 exam content – Algorithms and problem solving A Level CS core principle							Connected Knowledge: links with Photoshop and Dreamweaver units in KS3. Links to NCFE iMedia units 2 and 3, links to Website Production unit in BTEC IT. Binary & HEX unit in year 7 (html colour codes)				

Social, Moral, Spiritual and Cultural Devleopment: Developing E-Safety knowledge

Cultural Capital: developing a digital literacy that will support them in the modern 21st century, develop coding skills

Fundamental British Values: Employment Law and Discrimiation: Develop an understanding of online crime, hacking, copyright and Health & Safety