		Year 7 SOW		
Lesson	Unit	Content	Resources	Possible Homework
1	Topic 1:	Logging in, Folders, Google Classroom, Email	Network and Emails Booklet	Send an email
2	Getting started:	Baseline Test	Network and emails PPT 1 and 2	
3	Network and emails	Network and Emails		
4		Introduction	Binary Booklet	10 binary tests online for
5	Topic 2:	Binary Conversion	Cisco Binary Game	hwk or in class. Must be
6	Binary	Binary Graphics	Binary online Test 1-10	copied over.
7		Binary Addition	Help Sheet	
8		Binary revision and assessment	Bitmap Activity	
	Bebras Challenge	One off lesson where students compete in an	Student logins	
	Debi as Chanenge	online competition	Link to website	
9		Intro to programming: Print and Input	Two online chatbots	
10	Topic 3:	Variables and calculations	Teach programming lesson plan	
11	Python	Data types and comments	4 lesson PowerPoints	
12	(Chatbot)	Maths quiz and If Statements	On computer assessment	Revision
13		Python Assessment	Revision PPT (3 Topics)	
		Possible Christmas lessons include PPT	Advent calendars	
14		Intro to DVD cover project	DTP Booklet	
15		Research DVD covers	DVD.dpp template	Sketch DVD Cover
16	Topic 4:	Begin Implementation (Serif)	DVD.pub template	
17	DTP	Implementation (Import to Publisher)	Empty DVD covers	
18	(System lifecycle)	Continue Implementation		Finish DVD Cover
19		Barcodes		
20		Feedback and review		
		Possible lesson on Safer Inter	net week	
21	Topic 5:	Introduction to formulas	Spreadsheet booklets	
22	Spreadsheets	Formatting a spreadsheet	Excel spreadsheets	
23		Spreadsheet functions	Lesson PowerPoints	

24		Sort, filter and comparison operators	Revision PPT (3 Topics)	
25		Graphs		Revision
26		Modelling and assessment (If no year 7 exam)		
	Year 7 Exam	Will usually be around this time.		
27	Topic 6: Scratch Programming	Intro to scratch and sprite movement	Scratch Booklet	
28		Loops and drawing shapes	Scratch PowerPoints	Scratch HW 1
29		Flowcharts and selection constructs		
30		More flowcharts and broadcast		Scratch HW 2
31		Creating a simple game (Keep the ball up)		
32		Creating a game (Helicopter)		
33+	There are further scratch lessons to use if necessary.			

Year 8 SOW					
Lesson	Unit	Content	Resources	Possible	
				Homework	
1	Topic 1:	Folders, intro to Boolean logic	Boolean logic booklet		
2	Boolean Logic	Combining logic	Boolean Logic PowerPoint	Boolean practice	
3		Revision and Assessment	Logic Gate website		
4		Hardware	Technology Booklet		
5	Topic 2:	Software	Technology PowerPoints 1-4		
6	Technology	History of computing			
7		The internet			
8		Assessment			
	Bebras Challenge	One off lesson where students compete in	Student logins		
	Debi as Challenge	an online competition	Link to website		

9		Print, input, placeholders and arithmetic	CAS Python PowerPoints 1-6	
	Topic 3: Python	operators	Python Booklet	
10		Variables, data types and int	Lesson plans	HW sheet 1
11		If statements in Python 1		
12		If statements in Python 2		HW Sheet 2
13		The random number function		
14		Loops in Python		
15		Assessment		
	_	Lesson or two on Safer Internet we	ek: Google Forms	
16		Datatypes and setting up a database		
17	Topic 4:	Sorting and queries 1	Database PowerPoints (Faircop)	
18	Databases	Sorting and queries 2	Database Booklet	Paper based queries
19	Databases	Relational databases and reports		
20		Forms and murder mystery		
21		Assessment		
22	Topic 5:	Searching: Linear/Binary	Searching and sorting PowerPoint	
23	Searching and	Sorting: Bubble/Merge	_	
23	sorting algorithms	<u> </u>		
		Year 8 Exam usually arou		
27		HTML 1	Website Booklet	
28		HTML 2	Website PowerPoint	
29	Topic 6: Websites and HTML	Country research	HTML Instruction Booklet	Additional research
30		Website Banner (Optional Lesson)		
31		Creating site pages, editing the master page		Work on/Finish
		and adding banner in Serif WebPlus		website
32		Navigation bar and home page		
		Develop website		
		Embedded images, finish and publish		
33+	Show students addition	nal website features		

		Year 9 SOW		
Lesson	Unit	Content	Resources	Possible Homework
1	Topic 1:	Getting started and file types	ТВС	
2	The Bigger Picture	Laws: Copyright, GDPR, CMA		
3		Environmental Issues and impact		
4	Topic 2:	Network Topologies	Network PPT 1-3	
5	Networks and the	Components of a network	Worksheets	Revision
6	internet	Malware and network Security 1		
	Bebras Challenge	One off lesson where students compete in an online competition	Student logins Link to website	
7		Warm up: Selection and lists	CAS PPT 1-6	
8		Playlist: adding, removing, or modifying lists	CAS worksheets	L2 HW
9	Topic 3: Python	In a while, crocodile: While loops	Virtual Machine/IDLE	
10	Programming 2	The famous for: For loops		L4 HW
11		Make a thing: Mini Projects 1		
12		Wrap up: Mini Project 2		
13		Hardware Components: CPU, RAM etc	Hardware PPT 1-3	
14	Topic 4:	Fetch, decode, execute Cycle	Worksheets	
15	Computer hardware	Storage devices		Revision
16		Storage devices 2		
		Possible lesson on year 9 op	otions	
17		You and your data: Data	CAS PPT 1-6	
18	Tonic F.	Social Engineering	CAS worksheets	
19	Topic 5: - Cybersecurity	Script Kiddies: Hacking		L3 HW
20		Rise of the bots: Recap malware		
21		There's no place like 127.0.0.1: Prevention		L5 HW
22		Under attack		

23	Topic 6:	Binary Mosaic: Pixels and resolution	CAS PPT 1-6	L1 HW
24	Representation of	A splash of colour: Bit depth, colours, file sizes	CAS worksheets	L2 HW
25	data and sound	Collage: Image editing software	Audacity/GIMP	
26		Good vibrations: Sound in computers	L5/6 may require headphones	L4 HW
27	using binary	Sonic playground: Sound editing software		
28		Always another way: Assessment		
29	Topic 7: Useful ICT	Word Processing 1	For now, previous functional	
30	skills for GCSE	Word Processing 2	skills resources will be used	
31		Presentation software		
32 +		Spreadsheets		