Key Stage 3 – Autumn Half Term 1

		Week 1		Week 2	Week 3	Week 4	Week 6	Week 7
Year 7		**Introduction to the Computing Lab**						
	Content	New log- ons	Welcome to the computing lab	Intro to Office 365 and Cloud Computing	Intro to Teams and Class Notebook	Intro to Outlook	Cyberbullying	Catch-up
	Assessment				STAR mark			End of unit assessment
					The 4 rules that you should always follow, Explain how you would create a folder for the one drive			Completed on forms/online. Controlled assessment – exam conditions
	Home Learning							
Year 8		**Networking**						
	Content	Computer networks and protocols		Networking hardware	Wired and wireless networks	The internet	Internet services	The World Wide Web
	Assessment				STAR mark			End of unit assessment
					Explain the network for a given scenario and explain where and why you would use a hub and or server.			Completed on forms/online. Controlled assessment – exam conditions
	Home Learning							
Year 9		**Programming Fundamentals ii**						
	Content	Warm up (Algorithms)	Playlist	In a while crocodile	Iteration	Iteration for loops	Iteration for loops	Wrap up
	Assessment					STAR mark		End of unit assessment
						A written set of questions where you will be asked to debug a series of programmes		Completed on forms/online. Controlled assessment – exam conditions
	Home Learning							

Key Stage 3 – Autumn Half Term 2

		Week 8	Week 9	Week10	Week 11	**Week 12**	Week 13	Week14
Year 7		**Computer Systems**						
	Content	The roles of a computer	How a computer communicate with the outside world?	Input and Outputs Devices			What's inside a computer? Practical	What's inside a computer? Practical
	Assessment				STAR mark			End of unit assessment
	- - - -				Identify a range of special purpose and multipurpose computers Describe the differences between special purpose and multipurpose computers			Completed on forms/online. Controlled assessment – exam conditions
	Historical Skill							
	Home Learning							
Year 8		**Programming Concepts**						
	Content	Sequence	Variables and INPUT	Selection IF and ELSE	Iteration WHILE	Data types	Putting it all together	End of unit assessment
	Assessment				STAR mark			End of unit assessment
	- - - -				A set of three questions where you will need to debug python programme			Completed on forms/online. Controlled assessment – exam conditions
	Historical Skill							
	Home Learning							
Year 9		**Programming concepts**		**Data Representation (II)**				
	Content	Complete a mini programming project	Extended day for Wrap up if needed Complete a mini programming project	Binary mosaic	Catch-up	A splash of colour	Collage	Collage
	Assessment						STAR mark	
	- - - -							
	Historical Skill							
	Home Learning							

Key Stage 3 – Spring Half Term 1

		Week 15	Week16	Week 17	Week 18	Week 19	Week 20
Year 7		**Control Systems**					
	Content	What is a flowchart?	Programming outputs	Multiple Outputs	Inputs and decisions	Subroutine	Combining Skills End of unit assessment
	Assessment			STAR mark Add the names below to the correct algorithm shape in the table. Can you identify the error with this algorithm?			End of unit assessment
	Home Learning						
Year 8		**Animation**					
	Content	What is animation – different types – stop star, tweening	Understand the key components of animation software	Understand additional features used in animation	Understand the difference in purpose and audience	Skills building	End of unit assessment
	Assessment				STAR mark - - - - - - - - Series of questions focusing on the timeline and FPS		End of unit assessment - - - - - - - - Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						
Year 9		**Data Representation (ii) – Sound/ Photo Editing**					
	Content	Good vibrations	Sonic play-ground	Compression	Project	Project	End of unit assessment
	Assessment		STAR mark - - - - - - - - State the meanings of key terminology used in photo editing - such as bitmap, pixels, compression ect.				End of unit assessment - - - - - - - - Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						

Key Stage 3 – Spring Half Term 2

		Week 22	Week 23	Week 24	Week 25	Week 26	Week 27
Year 7		**Programming Fundamentals**					
	Content	What is a Micro-bit and how to program it	What is a Micro-bit and how to program it	Algorithms	Algorithms	Selection and iteration	Selection and iteration
	Assessment			STAR mark State the purpose of the program shown. Explain what iteration is and give an example			End of unit assessment Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						
Year 8		**Data Representation**					
	Content	Across time and space	Lights and drums	Binary digits	Numbers in binary	Handling large quantities	Turing's mug
	Assessment				STAR mark Convert a series of numbers from binary to denary and a series of numbers from denary to binary		End of unit assessment Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						
Year 9		**Cyber Security**					
	Content	You and your data	Social Engineering	Rise of the Bots	Common Security Threats	Prevention	Under Attack
	Assessment			STAR mark How could you keep the person in the scenario safe ?			End of unit assessment Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						

Key Stage 3 – Summer Half Term 1

		Week 29	Week 30	Week 31	Week 32	Week 33	Week 34
Year 7		**Programming Fundamentals**					
	Content	Variables part 1 (practical)	Variables part 1 (practical)	Variables part 2	Variables part 2	Data types	TOPIC TEST
	Assessment			STAR mark — Explain step-by-step what the program will do when it's ran on			End of unit assessment — Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						
Year 8		**Computer Systems II**					
	Content	Types of computer systems	Input and outputs	System components	Computer memory	Fetch Decode Execute Cycle	End of unit assessment
	Assessment					STAR mark — Explain the key peripherals used for a given scenario and why they would be best suited	End of unit assessment — Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						
Year 9		**Animation**					
	Content	Frame by frame animation	Motion tweening	Text buttons and actionscript	Planning an animation	Adding sound effects	Publishing an animation
	Assessment				STAR mark — A set of 5 questions that will address your knowledge of file types and terminology used in adobe animate		End of unit assessment — Completed on forms/online. Controlled assessment – exam conditions
	Home Learning						

Key Stage 3 – Summer Half Term 2

		Week 35	Week 36	Week 37	Week 38	Week 39	Week 40	Week 41
Year 7		**Graphic Design**						
	Content	Creating basic shapes	Grouping, and aligning	Creating custom' shapes	Animation	Combining	TOPIC TEST	
	Assessment			STAR mark				End of unit assessment
				Create the following shapes				Completed on forms/online. Controlled assessment – exam conditions
	Home Learning							
Year 8		**Graphic Design**						
	Content	What are digital graphics?	Intro to software	Interpret a client's brief	Visualising the final product	Developing their final products and editor skills	Developing their final products and editor skills	Developing their final products and editor skills
	Assessment				STAR mark		End of unit assessment	
					Set of 5 questions based on the needs and wants of an audience (given scenario)		Completed on forms/online. Controlled assessment – exam conditions	
	Home Learning							
Year 9		**Graphic Design**						
	Content	What are digital graphics?	Intro to software	Interpret a client's brief	Visualising the final product	Developing their final products and editor skills	Developing their final products and editor skills	Developing their final products and editor skills
	Assessment			STAR mark Explain the job of a foley artist. What sort of things are they responsible for? What skills are important? Investigation: What is the difference between diegetic and non-diegetic sound? Explain when each is used, giving examples			End of unit assessment Completed on forms/online. Controlled assessment – exam conditions	
	Home Learning							