## **Structure of Units of Work**

	Autum	in Term	Spring	<u>g Term</u>	Sumer Term				
Year 5	Y5- ComputingY5-Creating Media-Y5- ProgrammingSystems andVideo ProductionSelection in PhysicNetworks- SystemsComputingand SearchingVideo Production		Y5- Programming A- Selection in Physical Computing	Y5- Data and Information- Flat-file databases	Y5- Creating Media- Introduction to Vector Graphics	Y5- Programming B- Selection in Quizzes			
Year 6	Y6- Computing Systems and Networks- Communication and Collaboration	Y6- Creating Media- Web page Creation	Y6- Programming A- Variables in Games	Y6- Data and Information- Introduction to Spreadsheets	Y6- Creating Media- 3D Modelling	Y6- Programming B- Sensing Movement			

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	<b>Computer Systems</b>	Creating Media	Programming A	Data and	Creating Media	Programming B		
	and Networks			<u>Information</u>				
Year 5	Systems and	Video Production	Selection in	Flat-file	Introduction to	Selection in		
	<b>Searching</b>	Video production	<b>Physical</b>	<u>databases</u>	Vector Graphics	Quizzes		
	Recognising IT	Planning,	<u>Computing</u>	Using a	Creating images	Exploring		
	systems in the	capturing, and	Exploring	database to	in a drawing	selection in		
	world and how	editing video to	conditions and	order data and	program by	programming to		
	some can enable	produce a short	selection using a	create charts to	using layers and	design and code		
	searching on the	film.	programmable	answer	groups of	an interactive		
	internet.		microcontroller.	questions.	objects.	quiz.		
Year 6	<u>Communication</u>	<u>Web page</u>	Variables in	Introduction to	<u>3D Modelling</u>	<u>Sensing</u>		
	and Collaboration	<u>Creation</u>	<u>Games</u>	<u>Spreadsheets</u>	Planning,	<u>Movement</u>		
	Exploring how data	Designing and	Exploring	Answering	developing, and	Designing and		
	is transferred by	creating	variables when	questions by	evaluation 3D	coding a project		
	working	webpages, giving	designing and	using	computer	that captures		
	collaboratively	consideration to	coding a game.	spreadsheets to	models of	inputs from		
	online.	copyright,		organise and	physical objects.	physical devices.		
		aesthetics and		calculate data.				
		navigation.						

National Curriculum Coverage- Years 3 and 4	5.1- Systems and Searching	5.2- Video Production	5.3- Selection in Physical Computing	5.4- Flat-file Database	5.5- Introduction to Vector Graphs	5.6- Selection in Quizzes	<u>6.1- Communication and</u> Collaboration	6.2- Webpage Creation	6.3 Variables in Games	<u>6.4- Introduction to spreadsheets</u>	6.5- 3D Modelling	6.6- Sensing Movement
design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts						1			1			1
use sequence, selection, and repetition in programs; work with variables and various forms of input and output						<b>√</b>			1			
use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs						-			1			✓
understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration	1											
use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content								1				

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select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	-	-	1	1	-	<b>√</b>	1	<b>√</b>	-	-
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	✓	-					1		1	