## **Curriculum Overview**

		Computing systems	Creating media	Programming A	Data and	Creating media	Programming B
		and networks			information		
Year	Cycle A	Information technology	Digital photography	Pictograms	Robot algorithms Creating	Programming quizzes	Digital music
1 & 2		around us Identifying IT	Capturing and changing	Collecting data in tally	and debugging programs,	Designing algorithms and	Using a computer as a tool
- ~ -		and how its responsible	digital photographs for	charts and using attributes	and using logical reasoning	programs that use events	to explore rhythms and
		use improves our world in	different purposes.	to organise and present	to make predictions.	to trigger sequences of	melodies, before creating
		school and beyond.		data on a computer.		code to make an	a musical composition.
						interactive quiz.	
	Cycle B	Technology around us	Digital painting Choosing	Moving a robot Writing	Programming animations	Digital writing	Grouping data Exploring
		Recognising technology in	appropriate tools in a	short algorithms and	Designing and	Using a computer to	object labels, then using
		school and using it	program to create art, and	programs for floor robots,	programming the	create and format text,	them to sort and group
		responsibly	making comparisons with	and predicting program	movement of a character	before comparing to	objects by properties.
			working non-digitally.	outcomes.	on screen to tell stories.	writing non-digitally.	
Year	Cycle A	The internet Recognising	Audio production	Repetition in shapes Using	Data logging Recognising	Photo editing	Repetition in games Using
3 & 4		the internet as a network	Capturing and editing	a text-based programming	how and why data is	Manipulating digital	a block-based
3 64		of networks including the	audio to produce a	language to explore count-	collected over time, before	images, and reflecting on	programming language to
		WWW, and why we should	podcast, ensuring that	controlled loops when	using data loggers to carry	the impact of changes and	explore count-controlled
		evaluate online content.	copyright is considered.	drawing shapes.	out an investigation.	whether the required	and infinite loops when
					_	purpose is fulfilled.	creating a game.
	Cycle B	Connecting computers	Stop-frame animation	Sequencing sounds	Branching databases	Desktop publishing	Events and actions in
	<u> </u>	Identifying that digital	Capturing and editing	Creating sequences in a	Building and using	Creating documents by	programs
		devices have inputs,	digital still images to	block-based programming	branching databases to	modifying text, images,	Writing algorithms and
		processes, and outputs,	produce a stop-frame	language to make music.	group objects using yes/no	and page layouts for a	programs that use a range
		and how devices can be	animation that tells a		questions	specified purpose.	of events to trigger
		connected to make	story.				sequences of actions
		networks	,				
Year	Cycle A	Communication and	Webpage creation	Variables in games	Introduction to	3D modelling	Sensing movement
5 & 6	<u> </u>	collaboration	Designing and creating	Exploring variables when	spreadsheets Answering	Planning, developing, and	Designing and coding a
5 & 0		Exploring how data is	webpages, giving	designing and coding a	questions by using	evaluating 3D computer	project that captures
		transferred by working	consideration to copyright,	game.	spreadsheets to organise	models of physical objects.	inputs from a physical
		collaboratively online.	aesthetics, and navigation.		and calculate data	, , ,	device.
	Cycle B	Systems and searching	Video production	Selection in physical	Flat-file databases Using a	Introduction to vector	Selection in quizzes
	<u> </u>	Recognising IT systems in	Planning, capturing, and	computing	database to order data	graphics	Exploring selection in
		the world and how some	editing video to produce a	Exploring conditions and	and create charts to	Creating images in a	programming to design
		can enable searching on	short film.	selection using a	answer questions.	drawing program by using	and code an interactive
		the internet		programmable		layers and groups of	quiz.
				microcontroller.		objects.	71-