Class topics by year

- Year 3: Hard times (Presentation Skills, Rabods Coding), Flint to Foundry (Online Safety, Scratch Stories), Swords and Sandals (App in a day, We are programmers)
- Year 4: Hard times (Word processing, Robo Challenge), Flint to Foundry (Online safety, Kodu Programming Game Design), Swords and Sandals (Shape calculator, We are software developers)
- Year 5: Storms and Shipwrecks (We are Cryptographers, Just Dance with the Algorithm), Viking Invasion (Online Safety, Scratch Programming), The Mayans (Internet Research and Web Design, Crazy Mazes)
- Year 6: Storms and Shipwrecks (Online Safety, Loopy Games), Viking Invasion (Secrets, Secrets, Secrets; Nifty Networks), The Mayans (Esports tournament)

KS2 National Curriculum	Covered	Presentation Skills	Rabods Coding	Online Safety	Scratch Stories	App in a day	We are programmers	Word processing	Robo Challenge	Online safety	Kodu Prog. Game Design	Shape calculator	We are software developers	We are Cryptographers	Just Dance with the Algorithm	Online Safety	Scratch Programming	Internet Research and Web Design	Crazy Mazes	Online Safety	Loopy Games	Secrets, Secrets, Secrets	Nifty Networks	Esports tournament
Digital Literacy																								
Uses technology safely	Yes	X	x	X	x	X	X	X	x	X	X	x	X	X	x	X	X	X	x	X	x	X	x	x
Uses technology respectfully	Yes	X	x	X	x	X	X	X	x	X	X	x	X	X	x	X	X	X	x	X	x	X	x	x
Uses technology responsibly	Yes		I	I	I	X	I	I	I	I	I	I	I	X	I	I	I	I	I	I	I	X	I	I
Identifies a range of ways to report concerns about content and contact	Yes		I	I		X				I				I		I				I				I
Recognises acceptable/unacceptable behaviour	Yes		B	B		X		B	B	A	B			A		A	B	A		A		A		A
Computer Science																								
Designs programs that accomplish specific goals	Yes			B	B		B			B	B	I	B	I	I		I		I		A	A		
Writes programs that accomplish specific goals	Yes		B		B		B		B		A	B		I	I			B		B	I	A		
Debugs programs that accomplish specific goals	Yes		B		B		X		B		I	X		X	X		X		B		I	I		
Controls or simulates a physical system	Yes	X	x			X			x		X	x	X	X	X		X				x	X		X
Solves problems by decomposing them into smaller parts	Yes		B		B	I	X		B		I	X		I	I		X		I		I	I		
Uses sequence in programs	Yes		x		X		X		x		X	X	X	X			X		x		x	X		
Uses selection in programs	Yes	I	B		B				B		B	A	B	I	I		B		I		A	A		
Uses repetition in programs	Yes		B				B		B			A	B	I	I						A	A		
Works with variables	Yes		B						B			A	B	I	I		B		B		A	A		
Uses various forms of input and output	Yes		B		B	B	B		B		B	B	B	B	B		B		B		B	B		B
Uses logical reasoning to explain how some simple algorithms work	Yes	B	B		B	B	B		B		B	A	B	B	I		B		I		A	B		
Detects errors in algorithms	Yes				X	X	X				X	X	X	X		X			x		x	X		
Corrects errors in algorithms	Yes				X	X	X				X	X	X	X		X			x		x	X		
Detects errors in programs	Yes		x		X		X		x		X	X	X	X		X			x		x	X		
Corrects errors in programs	Yes		x		X		X		x		X	X	X	X		X			x		x	X		
Understands computer networks including the...	Yes			X		X				A				A		X		X				A	A	A
Appreciates how results are ranked	Yes									A												A	A	
Appreciates how results are selected	Yes									I									I			A	A	
Appreciates how the internet provides multiple services	Yes			B	B	B	X			B			X	B	B	X		B	B		B	B	B	
Information Technology																								
Designs a range of systems and content that accomplish given goals	Yes			B	I	I		B			X	I	I	I	I				I		I	I		I
Creates a range of systems and content that accomplish given goals	Yes	B	B		B	I	I	B	B		B	I	I	I	I		I	A	I	A	I			A
Presents data and information	Yes	B			B	B	B	B				B	B	B	B			B	B	B	B			B
Collects data and information	Yes				B	B		B			I			I				I		I		I		I
Analyses data and information	Yes			X		B					I			I				I				I		I
Evaluates data and information	Yes	B	B	X		B	B	B		I		B		B			B			A				A
Appreciates the opportunities networks offer for communication and collaboration	Yes			I						I				I								I		I
Uses search technologies effectively	Yes			B	X					I							I	B		B				A
Is discerning in evaluating digital content	Yes	I	I	I	I	I	X	I		I	I		I		B	X	I	I		I				I
Uses a range of digital devices	Yes	X	B	X	B	I	X	X	B	X	X		I	I	B		X			A	A	B		A
Selects from a variety of software (including internet services)	Yes	I		I	B	A	I	X		I		A	I	I			X	X		A				A
Uses a variety of software (including internet services)	Yes	A	B	I	B	A	I	X	B	I		X	A	I	I		I	X	I	A	A			A
Combines a variety of software (including internet services)	Yes	I		I	B		B	B		I			I	I				B	I	I				I
KS3 National Curriculum																								
Computer science																								
Understand the hardware and software components that make up computer systems	Yes		B						B					B							B	B		A
Understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits	Yes													A							A			
Understand how instructions are stored and executed within a computer system	No																							