

	Golden Threads					
	(These provide a shared understanding of what Computing is and a common language to engage with the subject)					
	Safe and respectful use of computers		Problem solving with computational thinking		Creators, not consumers	
	Term 1		Term 2		Term 3	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Functional ICT	Computational Thinking	Variables and selection in programming	Spreadsheets	Networks and data sharing	Flowcharts
Year 8	Vector graphics	Computer systems	Websites - HTML, CSS and WYSIWYGS	Data representation	Databases	Introduction to text programming
Year 9	Python - Loops and functions	Creating a brand	Spreadsheet models and data science	Algorithms, searching and sorting	Cybersecurity	App Creation
Year 10	System architecture, storage and software Programming development	Data Representation Programming development	Computer networks, protocols and layers Programming development	Computer networks, protocols and layers Programming development	Network and cybersecurity Programming development	Ethical, legal and environmental issues Programming development
Year 11	Programming concepts Programming development	Robust and secure programming Programming development	Algorithms and computational logic Programming development	Algorithms and computational logic, and classification of programming languages Programming development	Revision and exam practice	

Years 7-9 each lesson should start with a Retrieval Quiz, this will count towards final grade total, sharing a range of typing games and other knowledge based starter activities will also provide tasks during time between activities
Years 10-11 each lesson will start with familiarisation with coding problems, exam questions and practice answers.