



	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Binary Numbers Elements of a computer Networks	Programming Concepts	Al & Machine Learning	Control Flow & Flowol	Computational Thinking	Computer Crime & Security Databases using MS Access
Key Concepts	 Elements of a computer Understanding Binary Binary Addition The Internet Connectivity Client Server Technology Encryption 	 Python – Programming tasks and development Python – Variables and constants (Different data types) Sequence Selection Python – Iteration 	 What is AI? Machine Learning Ethics of AI Image recognition Turing tests and chatbots Rate a review 	 Flowcharts Sequencing Sensors Subroutines Actuators Variables 	 Logic Gates Abstraction, Decomposition and Abstraction Search and Sort 	 Email Scams Computer Misuse Protecting personal Data Copyright Health and Safety Introduction to databases using MS Access

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All pupils will sit an assessment and several knowledge tests in Year 9.

	Assessment	Knowledge Tests	Revision Resources		
	Autumn Term	Spring Term	Kennet Resources		
Style of Assessment	Written multiple choice answer questions	Each knowledge test consists of 10 multiple-choice questions	 Year 9 Knowledge Organisers Learning Habits 		
			External Resources		
Topics Assessed	Computer hardwareBinary and ASCIIMemory and processingPython	Core knowledge taught until that point in the academic year	 www.bbc.com/bitesize http://teach-ict.com L:\Pupils\Subjects\Computer Science\3. Year 9\01. Lesson Resources You can also find revision material 		
			on Frog		

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