





Year 9 - Computer Science – Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.
Term 1		Introduction Logins, folders etc.	Number Systems Conversion / Addition	Number Systems Addition / Subtraction	Scratch Programming Start Design Document	Scratch Programming Finish Design Document	Scratch Programming Programming	Scratch Programming Programming
		Number Systems Binary Conversion	Number Systems Overflow / Hexadecimal	Number Systems EOT Test and Review	Data Representation Intro and Logic Gates	Data Representation Logic Gates	Data Representation Boolean Algebra	Assessment - 1 Summative
	Week 1 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.	
Term 2	Scratch Programming Programming	Scratch Programming Programming	Scratch Programming Programming	Scratch Programming Programming	Scratch Programming Programming	Scratch Programming User Guide / Evaluation.	Assessment - 2 Summative	
	Data Representation Boolean Algebra	Data Representation Character Sets	Data Representation Images	Data Representation Sound	Data Representation Compression	Scratch Programming User Guide / Evaluation	Hour of Code Code Combat	
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.		
Term 3	Prog. Languages Lesson 1	Prog. Languages Lesson 2	Prog. Languages Lesson 3	Prog. Languages Lesson 4	Prog. Languages End of Topic Test	Python Various		
	Python Various	Python Various	Python Various	Python Various	Python Various	Assessment - 3 Summative		
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April		
Term 4	System Security Lesson 1	System Security Lesson 2	System Security Lesson 3	System Security Lesson 4	System Security End of Topic Test	Python Various		
	Python Challenge	Python Various	Python Various	Python Various	Python Various	Assessment - 4 Summative		
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May			
Term 5	Python Various	Python Various	Python Various	Python Various	Python Challenge			
	Python Challenge	Python Various	Python Various	Python Various	Assessment - 5 Summative			
	Week 1 3 June	Week 2 10 June	Week 3/ 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July	
Term 6	Comp. Thinking Introduction	Search and Sort Bubble Sort	Search and Sort Merge / Binary	Networks Various	Networks Various	Networks Various	Assessment - 6 Summative	
	Search and Sort Linear Search	Search and Sort Insertion Sort	Search and Sort End of Topic Test	Networks Various	Networks Various	Networks End of Topic Test	Hour of Code Code Combat?	

Year 10 - Computer Science – Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.
Term 1	Networks NIC, Hubs, Switches	Networks IP addresses, DNS	Networks Wireless Networks	Networks Types of Network	Networks Hosting	Networks EoT Test and Review	Compression Lossy / Lossless	Assessment 1 Summative
	Python Refresh - Functions	Python Algorithms - 1	Python Algorithms - 2	Python Intro. To OO Prog.	Python Algorithms	Python Files	Python Files	Python Files
	Week 1 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.	
Term 2	Legal / Ethical Lesson 1	Legal / Ethical Lesson 2	Legal / Ethical Lesson 3	Legal / Ethical Lesson 5	Legal / Ethical Lesson 6	Legal / Ethical EoT Test	Assessment 2 Summative	
	Python Encryption	Python Encryption	Python Encryption	Python Encryption	Python Encryption	Python Encryption	Python Sierpinski Triangle	
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.		
Term 3	Memory Lesson 1	Storage Lesson 2	CPU Lesson 1	CPU Lesson 2	CPU Lesson 3	CPU End of Topic Test		
	Python Robust Programs	Python Robust Programs	Python Robust Programs	Python Robust Programs	Python Robust Programs	Python Assessment		
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April		
Term 4	Protocols and Layers Lesson 1	Protocols and Layers Lesson 1	Protocols and Layers Lesson 1	Protocols and Layers Lesson 1	Protocols and Layers EoT Test and Review	Assessment 4 Summative		
	Python Robust Programs	Python Robust Programs	Python Robust Programs	Python Robust Programs	Python Robust Programs	Python Assessment		
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May			
Term 5	Introduction The NEA	The NEA Analysis – 2	The NEA Design - 1	The NEA Design – 3	The NEA Development – 1			
	The NEA Analysis - 1	The NEA Analysis - 3	The NEA Design - 2	The NEA Design - 4	Assessment 5 Summative			
	Week 1 3 June	Week 2 10 June	Week 3/ 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July	
Term 6	The NEA Development – 2	The NEA Development – 4	The NEA Development – 6	The NEA Development – 8	The NEA Development – 10	The NEA Evaluation – 1	Assessment 6 Summative	
	The NEA Development - 3	The NEA Development - 5	The NEA Development - 7	The NEA Development - 9	The NEA Development - 11	The NEA Evaluation – 2	Hour of Code Code Combat	

