

CURRICULUM PLAN Computer Science (Year 11)

YI	EAR	TRINITY 2	MICHAELMAS 1	MICHAELMAS 2	LENT 1	LENT 2	TRINITY 1
		Fundamentals Of	Databases & SQL	Revision & Further	Cybersecurity &	Paper 1 and Paper 2	
		Data		Programming	ethical, legal and	Revision	
		Representation,		Practice	environmental		
		Computer Systems	In this unit of work		responsibilities		
		& Networks	pupils will work the	During this unit pupils			
			topic of relational	will use key	Pupils will develop an		
		Within this unit pupils	databases and	programming	understanding of the		
		will revisit computer	structured query	techniques to	following topics,		
		networks including	language.	decompose a problem	applying knowledge		
		network topologies,	Pupil will already have	and create a solution	and understanding of:		
		layers, protocols and	knowledge of	or algorithm.			
		the importance of	programming		 Malicious code 		
	11	network security.	concepts.	Pupils will be able to	 Hacking 		
•				test and debug code to			
		Pupils will embed their	Pupils will be able to	create an efficient and			
		knowledge of		robust solution.	 Access rights 		
		computer systems	 Explain the concept 		 Unpatched & 		
		including computer	of a database and		outdated software		
		architecture, memory,			 Passwords 		
		operating systems and			 Social engineering 		
		high and low level	 Use SQL functions 		 Copyright 		
		programming.	to retrieve, insert,		 Networking 		
			update and delete		 Cyber security 		
			data in a		 Government 		
			databases.		privacy		
					infringements		
					 Penetration testing 		