

Year 13 Computer Science

Subject and Year Group	Autumn Year 13	Autumn 2 Year 13	Spring 1 Year 13	Spring 2 Year 13	Summer 1 Year 13	Summer 2 Year 13
Topic/Unit to be studied	Algorithms and Data Structures Data Types and Boolean Logic NEA		Systems Software and Languages Revision		Revision	
Core Knowledge and skills	Hashing compression List and linked list. Binary Trees and graphs. Normalisation and Floating Point Addition and Subtraction Bitwise manipulation and mask Flip flops and adders LOGIC gates BOOLEAN Algebra Big O notation and graph traversal Problem recognition and problem solving		Processor components Programming Language translators Operating System Linkers and Loaders Code Optimisation			
Assessment for Learning	Formative: MCQS mid term on Software Development AND Data Types Formative: Key word terminology test Summative: practical Project Summative: Mock Paper 1 and Mock Paper 2, with extended DIRT.		Formative: Practice Papers Formative: Programming and Algorithms Booklet Summative: System Software and Languages end of topic test		Formative: Practice Papers Formative: Programming and Algorithms Booklet	

	<p>Summative: Exchanging Data, Data Structures and Algorithms</p> <p>Formative: Practical program challenges covering all skills learnt.</p>		
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