AQA GCSE 8525 (9-1) Specification map

		Unit 1	Unit 2A	Unit 2B	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8
3.1	**Fundamentals of algorithms**									
3.1.1	Representing algorithms	✓		✓						
3.1.2	Efficiency of algorithms	✓								
3.1.3	Searching algorithms	✓								
3.1.4	Sorting algorithms	✓								
3.2	**Programming**									
3.2.1	Data types		✓							
3.2.2	Programming concepts		✓							
3.2.3	Arithmetic operations in a programming language		✓							
3.2.4	Relational operations in a programming language		✓							
3.2.5	Boolean operations in a programming language		✓							
3.2.6	Data structures		✓							
3.2.7	Input / output		✓							
3.2.8	String handling operations in a programming language		✓	✓						
3.2.9	Random number generation in a programming language		✓							
3.2.10	Structured programming and subroutines			✓						
3.2.11	Robust and secure programming			✓						
3.3	**Fundamentals of data representation**									
3.3.1	Number bases				✓					
3.3.2	Converting between number bases				✓					
3.3.3	Units of information				✓					
3.3.4	Binary arithmetic				✓					
3.3.5	Character encoding				✓					
3.3.6	Representing images				✓					
3.3.7	Representing sound				✓					
3.3.8	Data compression				✓					

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		Unit 1	Unit 2A	Unit 2B	Unit 3	Unit 4	Unit 5	Unit6	Unit 7	
3.4	**Computer systems**									
3.4.1	Hardware and software					✓				
3.4.2	Boolean logic					✓				
3.4.3	Software classification					✓				
3.4.4	Classification of programming languages and translators					✓				
3.4.5	Systems architecture					✓				
3.5	**Fundamentals of computer networks**									
3.5	Computer networks						✓			
3.5	Network topologies						✓			
3.5	Network security						✓			
3.5	Protocols and layers						✓			
3.6	**Cyber security**									
3.6.1	Fundamentals of cyber security							✓		
3.6.2	Cyber security threats							✓		
3.6.1.1	Social engineering							✓		
3.6.1.2	Malicious code (malware)							✓		
3.6.3	Methods to detect and prevent cyber security threats							✓		
3.7	**Relational databases and SQL**									
3.7.1	Relational databases								✓	
3.7.2	Structured query language (SQL)								✓	
3.6.1.1	Social engineering								✓	
3.8	**Impacts of digital technology on wider society**									
3.8	Ethical, legal and environmental impacts									✓