AQA GCSE 8520 (9-1) Specification map

		Unit 1	Unit 2A	Unit 2B	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
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		✓						
3.2.4	Relational operations		✓						
3.2.5	Boolean operations		✓						
3.2.6	Data structures		✓						
3.2.7	File handling		✓						
3.2.8	String handling		✓	✓					
3.2.9	Random number generation		✓						
3.2.10	Subroutines			✓					
3.2.11	Structured programming			✓					
3.2.12	Robust programming			✓					
3.2.13	Programming languages			✓					
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	Images				✓				
3.3.7	Sound				✓				
3.3.8	Data compression				✓				

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		Unit 1	Unit 2A	Unit 2B	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
3.4	**Computer systems**								
3.4.1	Boolean logic					✓			
3.4.2	Software					✓			
3.4.3	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	**Fundamentals of cyber security**								
3.6.1	Cyber security threats							✓	
3.6.1.1	Social engineering							✓	
3.6.1.2	Malicious code							✓	
3.6.2	Detecting and preventing security threats							✓	
3.7	**Ethical, legal and environmental impacts**								
3.7	Ethical, legal and environmental impacts								✓