AQA GCSE 8552 (9-1) Specification map

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3.1	Core technical principles	-	2	e	4	5A	2B	5C	5D	2E	5F	9	2	
	New and emergingtechnologies	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5A	Unit 5B	Unit	Unit 5D	Unit	Unit 5F	Unit 6	Unit 7	
3.1.1	New and emerging technologies	\checkmark												
	Energy, materials, systems and devices													
3.1.2	Energy storage and generation		\checkmark											
3.1.3	Developments in new materials		\checkmark											
3.1.4	Systems approach to designing		\checkmark											
3.1.5	Mechanical devices		\checkmark											
	Materials and their working properties													
3.1.6	Materials and their working properties			\checkmark										
3.2	Specialist technical principles Common specialist technical principles	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5A	Unit 5B	Unit 5C	Unit 5D	Unit 5E	Unit 5F	Unit 6	Unit 7	
3.2.2	Forces and stresses				\checkmark									
3.2.3	Ecological and social footprint				\checkmark									
3.2.7	Scales of production				\checkmark									
	Specialist material areas													
3.2.1	Selection of materials or components					Materials covered in Units 5A-F								
3.2.4	Sources and origins						 ✓ Timber based materials ✓ Metal based materials ✓ Polymers 							
3.2.5	Using and working with materials													
3.2.6	Stock forms, types and sizes					✓ Electronic and mechanical systems								
3.2.8	Specialist techniques and processes													
3.2.9	Surface treatments and finishes													
3.3	Designing and making principles	t 1	t 2	t 3	t 4	Unit 5A	Unit 5B	Unit 5C	Unit 5D	Unit 5E	Unit 5F	t 6	t 7	
	Designing principles	Unit 1	Unit 2	Unit 3	Unit 4	Uni	Uni	Uni	Uni	Uni	Uni	Unit 6	Unit 7	
3.3.1	Investigation, primary and secondary data											\checkmark		
3.3.2	Environmental, social and economic challenge											\checkmark		
3.3.3	The work of others											\checkmark		
3.3.4	Design strategies											\checkmark		
3.3.5	Communication of designideas											\checkmark		
3.3.6	Prototype development											\checkmark		
	Making principles													
3.3.7	Making principles Selection of materials and components												\checkmark	

 3.3.8
 Tolerances
 Image: Constraint of matching and components
 Image: Constraint of matching and components

 3.3.9
 Material management
 Image: Constraint of matching and components
 Image: Constraint of matching and components

 3.3.10
 Specialist tools and equipment
 Image: Constraint of matching and processes
 Image: Constraint of matching and processes
 Image: Constraint of matching and processes