AQA GCSE Chemistry 8462/8464 (9-1) Specification map

Trilogy, Chemistry only and Higher Tier

		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11
1 Atomic structure and the periodic table												
1.1	A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes	●										
1.2	The periodic table		●									
1.3	Properties of transition metals (**chemistry only**)		●									
2 Bonding, structure, and the properties of matter												
2.1	Chemical bonds, ionic, covalent and metallic			●								
2.2	How bonding and structure are related to the properties of substances			●								
2.3	Structure and bonding of carbon			●								
2.4	Bulk and surface properties of matter including nanoparticles (**chemistry only**)			●								
3 Quantitative chemistry												
3.1	Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations				●							
3.2	Use of amount of substance in relation to masses of pure substances				●							
3.3	Yield and atom economy of chemical reactions (**chemistry only**)				●							
3.4	Using concentrations of solutions in mol/dm3 (**chemistry only**) (**HT only**)				●							
3.5	Use of amount of substance in relation to volumes of gases (**chemistry only**) (**HT only**)				●							
4 Chemical changes												
4.1	Reactivity of metals					●						
4.2	Reactions of acids					●						
4.3	Electrolysis						●					
5 Energy changes												
5.1	Exothermic and endothermic reactions						●					
5.2	Chemical cells and fuel cells (**chemistry only**)						●					

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6 The rate and extent of chemical change												
6.1	Rate of reaction							●				
6.2	Reversible reactions and dynamic equilibrium							●				
7 Organic chemistry												
7.1	Carbon compounds as fuels and feedstock								●			
7.2	Reactions of alkenes and alcohols (**chemistry only**)									●		
7.3	Synthetic and naturally occurring polymers (**chemistry only**)									●		
8 Chemical analysis												
8.1	Purity, formulations and chromatography										●	
8.2	Identification of common gases										●	
8.3	Identification of ions by chemical and spectroscopic means (**chemistry only**)										●	
9 Chemistry of the atmosphere												
9.1	The composition and evolution of the Earth's atmosphere											●
9.2	Carbon dioxide and methane as greenhouse gases											●
9.3	Common atmospheric pollutants and their sources											●
10 Using resources												
10.1	Using the Earth's resources and obtaining potable water											●
10.2	Life cycle assessment and recycling											●
10.3	Using materials (**chemistry only**)											●
10.4	The Haber process and the use of NPK fertilisers (**chemistry only**)											●