

Year	Chemistry topics	Main Chemistry Themes						
		Atoms and the periodic table	Bonding, materials and the properties of matter	Symbols, units and calculations	Energy (rates, eqm and thermodynamics)	Chemical changes, redox and acids	Organic chemistry	Chemical Analysis
7	Particles and their behaviour		x					
	Elements, atoms and compounds	x		x				
	Reactions				x	x		
	Acids and alkalis					x		
8	The periodic table	x		x				
	Separation techniques						x	
	Metals and acids		x			x		
	The Earth							x
9	Atoms and the periodic table	x					x	
	Bonding, structure and the properties of matter		x	x		x		
	The Earth's atmosphere							x
10	Quantitative chemistry			x				
	Chemical changes			x		x		x
	Energy changes			x	x			x
	Rate and extent of chemical change				x			
11	Organic chemistry						x	
	Chemical analysis						x	
	Using resources		x		x(TS)		x	x
12	Atomic structure	x						
	Amount of substance			x			x	
	Bonding		x	x				
	Energetics				x			
	Kinetics				x			
	Equilibria				x			
	Redox					x		
	Periodicity	x						
	Grp 2	x						
	Grp 7	x						
	Organic chemistry 1			x			x	x
Organic analysis 1			x			x		
13	Thermodynamics			x	x			
	Rate equations			x	x			
	Kp			x	x			
	Electrochemical cells			x	x	x		x
	Acids and bases			x		x		
	Properties of period 3 oxides	x		x				
	Transition metals	x		x			x	
	Reactions of ions in solution	x		x				
	Organic chemistry 2		x	x			x	
	Organic analysis 2			x			x	