

St Paul's International College Science Department, Scope and Sequence Chemistry Stage 6 Year 11 2024

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10/11
Term 1	Module 1 - Properties of structure and matter									Module 2
	Students investigate the fundamental chemical concepts about structure and bonding. Students design their own investigations and practice efficient information and data-collection strategies, as well as developing skills in communicating their findings using appropriate scientific language. (Depth study 5 hours)									
	Outcomes: CH11/12-2, CH11/12-3, CH11/12-4, CH11/12-7, CH11-8									
	Assessment: Task 1 Gravimetric Analysis									
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 2	Module 2 – Introduction to Quantitative Chemistry					Module 3 – Reactive Chemistry				
	Students examine the quantitative nature of chemistry. (Students investigate the basic reaction types in chemistry and the energy transformations that are associated with chemical changes, such as light and heat.				
	Outcomes: CH11/12-2, CH11/12-4, CH11/12-6, CH11-9					Outcomes: CH11/12-2, CH11/12-3, CH11/12-4, CH11-10				
	Assessment: No formal Assessment					Assessment: Assessment Task 2 (depth study 8 hours)				
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Term 3	Module 3			Module 4 – Drivers of reactions						Exams
	Cont. The rate of chemical reactions and the factors that affect the rate are investigated.			Students investigate the factors that initiate and drive a reaction. They will use mathematical models to predict the spontaneity of a reaction and the thermodynamic nature of chemical processes.						
	Outcomes: CH11/12-2, CH11/12-3, CH11/12-4, CH11-10			Outcomes: CH11/12-1, CH11/12-5, CH11/12-6, CH11/12-7, CH11-11						
				Assessment: Task 3 (Yearly)						Yearly