



Term	Week	YEAR 12 HSC CHEMISTRY – 2026 SCOPE & SEQUENCE
4	1	Module 5: Equilibrium and acid reactions (30 hours)
	2	Outcomes CH11/12-4, CH11/12-5, CH11/12-6, CH11 /12-7, CH12-12 Static and Dynamic equilibrium
	3	Non-equilibrium systems, enthalpy and entropy
	4	Factors that affect equilibrium including activation energy and heat of reaction
	5	Equilibria constants
	6	Solution equilibria
	7	Major Assessment: Practical Investigation Equilibrium
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1	1	Module 6: Acid – Base reactions (30 hours)
	2	Outcomes CH11/12-1, CH11/12-2, CH11/12-3, CH11/12-5, CH12-13
	3	Properties of acids and bases
	4	Contemporary acid theory pH, pOH, hydrogen ion concentration ($[H^+]$)
	5	Analyse the concentration of an unknown acid or base by titration
	6	Buffers in natural systems
	7	Major Assessment: Titration Practical Acid/Base reactions
	8	Module 7: Organic Chemistry (30 hours)
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2	1	Hydrocarbons Functional group compounds Hydrocarbon reactions Alcohols Reaction of organic acids and bases Polymers
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	6	Major Assessment: Hydrocarbon Research Depth study (15 hours)
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3	1	Module 8: Applying Chemical Ideas (30 hours)
	2	Outcomes CH11/12-1, CH11/12-2, CH11/12-3, CH11/12-4, CH11/12-7, CH12-15
	3	Analysis of inorganic substances
	4	Analysis of organic substances Chemical synthesis and design
	5	Major Assessment: Trial HSC Examination
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