



Term	Week	YEAR 11 PRELIMINARY CHEMISTRY – 2025 SCOPE & SEQUENCE
1	1	Module 1 - Properties of structure and matter (30 hours) Outcomes: CH11-2, 3,4,7, CH11-8 <ul style="list-style-type: none"> • Properties of matter • Atomic structure • Trends in the periodic table • Chemical bonding • Intermolecular forces • Allotropes Major Assessment: Gravimetric Analysis Practical and Analysis
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2	1	<ul style="list-style-type: none"> • Solutions and concentration • Gas laws No major assessment Module 3 – Reactive Chemistry (30 hours) Outcomes: CH11-1, 2, 3, 4, 5, 6,7 CH11-10 <ul style="list-style-type: none"> • Types of chemical reaction • Reactions of metals • Galvanic cells and electrode potential • Rates of reaction Major assessment: Depth study (9 hours)
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3	1	Module 4 – Drivers of reactions (30 hours) Outcomes: CH11-1, 5,6,7, CH11-11 <ul style="list-style-type: none"> • Energy changes in a chemical reaction • Enthalpy and Hess's law • Entropy and Gibbs free energy Major Assessment: End of course exam
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4		HSC Course starts in Term 4 of Year 11.