

**Varsity College
Year 12 Chemistry 2025**

Term 1

| Week | Date | Topics | Assessment |
|--|---|---|-------------------|
| 1 | 27-31 January O-Week Australia Day: Monday | <ul style="list-style-type: none"> Orientation Week | |
| 2 | 3-7 February | <ul style="list-style-type: none"> 3.2 – OILRIG, PT, Ox #, Reactivity of Metals | |
| 3 | 10-14 February Swimming Carnival: Tuesday Y11,12 Parent Information Session: Monday | <ul style="list-style-type: none"> 3.2 – Balancing, Single Displacement PRAC, Cell Diagrams, and Electrochemical cells | |
| 4 | 17-21 February | <ul style="list-style-type: none"> 3.2 – EMF, Std Electrode Potentials, and Galvanic Cell PRAC | |
| 5 | 24-28 February | <ul style="list-style-type: none"> 3.2 – Molten and Aqueous Electrolysis, Electrolytic Cell PRAC, and 4.2 Hydrogen Fuel Cells | |
| 6 | 3-7 March GCS25: Wednesday | <ul style="list-style-type: none"> Student Experiment Catch up missed lesson or consolidate 3.2 topic | |
| 7 | 10-14 March | <ul style="list-style-type: none"> Student Experiment | |
| 8 | 17-21 March | <ul style="list-style-type: none"> Student Experiment 4.1 – Hydrocarbons and Alcohols | |
| 9 | 24-28 March | <ul style="list-style-type: none"> 4.1 – Ketones, Aldehydes, Carboxylic Acids, Esters 4.1 – Halogens, Amines, Amides and Nitriles 4.1 – Structural Formulae and Priorities | |
| 10 | 31 March - 4 April Cross Country Carnival: Thursday | EXAM BLOCK | |
| School holidays: Friday April 4 - Sunday April 19 | | | |

Term 2

| Week | Date | Topics | Assessment |
|---|---|---|--------------------------------|
| 1 | 21-25 April Easter Monday ANZAC Day: Friday | <ul style="list-style-type: none"> • Student Experiment • 4.1 – Isomers | |
| 2 | 28 April-2 May GCS25: Tuesday | <ul style="list-style-type: none"> • 4.1 – Properties and Homologous Series | Assignment due Thursday |
| 3 | 5-9 May Labour Day: Monday | <ul style="list-style-type: none"> • 4.1 – Addition Reactions, 4.2 Formation of Ethanol, and Fermentation in a Bag PRAC • 4.1 – Synthetic Polymers and 4.2 Addition Polymerisation • 4.1 – Condensation and Acid Reactions | |
| 4 | 12-16 May Parent Teacher Interviews: Monday | <ul style="list-style-type: none"> • 4.1 – Lipids and 4.2 Biodiesel • 4.1 – Carbohydrates | |
| 5 | 19-23 May | <ul style="list-style-type: none"> • 4.2 – Condensation Polymerisation • 4.1 – Protein Structure (including folding activity) • 4.1 – Enzymes and 4.2 Forming Polypeptides | |
| 6 | 26-30 May | <ul style="list-style-type: none"> • 4.1 – Protein Chromatography and Electrophoresis PRAC • Research Investigation | |
| 7 | 2-6 June GCS25: Wednesday | <ul style="list-style-type: none"> • Research Investigation | |
| 8 | 9-13 June GCS25: Wednesday | <ul style="list-style-type: none"> • Research Investigation • 4.1 – Combustion and Elimination Reactions | |
| 9 | 16-20 June | <ul style="list-style-type: none"> • 4.1 – Oxidation and Reduction Reactions • 4.1 – Substitution Reactions • 4.1 – Chemical Tests and PRACS for Br₂, KMnO₄ and esters | |
| 10 | 23-27 June Athletics Carnival: Thursday | <ul style="list-style-type: none"> • 4.1 – Reaction Pathways • Research Investigation | |
| School holidays: Saturday June 28 - Sunday July 13 | | | |

Term 3

| Week | Date | Topics | Assessment |
|--|---|---|-------------------------|
| 1 | 14-18 July | <ul style="list-style-type: none"> 4.1 – Mass Spectrometry 4.1 – Infrared Spectroscopy and Xray Crystallography | Assignment due Thursday |
| 2 | 21-25 July Future Pathways Expo Y11, 12 Parent Information Session: Wednesday | <ul style="list-style-type: none"> 4.2 – Optimising Haber and Contact Processes 4.2 – Calculating Theoretical and % Yield | |
| 3 | 28 July-1 August Parent Teacher Interviews: Monday | <ul style="list-style-type: none"> 4.2 – Green Chemistry and Atom Economy 4.2 – Molecular Manufacturing | |
| 4 | 4-8 August | <ul style="list-style-type: none"> Acid and Base Revision | |
| 5 | 11-15 August GCS25: Tuesday | <ul style="list-style-type: none"> Equilibrium Revision | |
| 6 | 18-22 August GC25 (Finals): Tuesday | <ul style="list-style-type: none"> Redox Revision Organic Reactions Revision | |
| 7 | 25-29 August GC Show Day: Friday | <ul style="list-style-type: none"> Organic Materials and Analytical Revision | |
| 8 | 1-5 September | <ul style="list-style-type: none"> Chemical Synthesis Revision | |
| 9 | 8-12 September | MOCK EXAMS | Mock exams |
| 10 | 15-19 September | MOCK EXAMS | |
| School holidays: Saturday September 20 – Sunday October 4 | | | |

Term 4

| Week | Date | Topics | Assessment |
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| 1 | 6-10 October King's Birthday: Monday | <ul style="list-style-type: none"> • Attempt MC questions again based on teacher feedback • Attempt Paper 1 SR questions again based on teacher feedback • Attempt Paper 2 SR questions again based on teacher feedback | |
| 2 | 13-17 October | <ul style="list-style-type: none"> • Revision on 3.1 problem areas • Revision on 3.2 problem areas • Revision on 4.1 problem areas | |
| 3 | 20-24 October | <ul style="list-style-type: none"> • Revision on 4.2 problem areas • Final PRACs • Final chemistry lesson | |
| 4 | 27-31 October | EXTERNAL EXAMS | External Assessment: Unit 3 and 4 |
| 5 | 3-7 November | | |
| 6 | 10-14 November | | |
| 7 | 17-21 November | | |
| | | Final Week Events | |