

Varsity College
Year 12 CHEMISTRY 2024

Term 1

Week	Date	Topics	Assessment
1	22-26 January O-Week Wed-Thurs Australia Day PH Fri	<ul style="list-style-type: none"> Orientation Week 	
2	29 Jan-2 Feb	<ul style="list-style-type: none"> 3.2 – OILRIG, PT, Ox #, Reactivity of Metals 	
3	5-9 February Swimming Carnival - Thurs	<ul style="list-style-type: none"> 3.2 – Balancing, Single Displacement PRAC, Cell Diagrams, and Electrochemical cells 	
4	12-16 February	<ul style="list-style-type: none"> 3.2 – EMF, Std Electrode Potentials, and Galvanic Cell PRAC 	3.1 summary due
5	19-23 February	<ul style="list-style-type: none"> 3.2 – Molten and Aqueous Electrolysis, Electrolytic Cell PRAC, and 4.2 Hydrogen Fuel Cells 	IA2 Handed Out L3
6	26 Feb-1 Mar GC24 - Wednesday	<ul style="list-style-type: none"> Student Experiment – Planning and Conducting (IA2 1+2) Catch up missed lesson or consolidate 3.2 topic 	
7	4-8 March	<ul style="list-style-type: none"> Student Experiment – Conducting and Processing (IA2 3-5) 	
8	11-15 March	<ul style="list-style-type: none"> Student Experiment – Analysing and Evaluating (IA2 6+7) 4.1 – Hydrocarbons and Alcohols 	IA2 Draft Due L2
9	18-22 March GC24 - Thursday	<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	25-29 March Good Friday PH	EXAM BLOCK	
School holidays: Friday March 29 - Sunday April 14			

Term 2

Week	Date	Topics	Assessment
1	15-19 April Cross Country - Wed	<ul style="list-style-type: none"> Student Experiment – Drafting Conferencing (IA2 8+9) 4.1 – Isomers 	IA2 Draft Returned L1
2	22-26 April GC24 - Tuesday Anzac Day PH - Thurs	<ul style="list-style-type: none"> 4.1 – Properties and Homologous Series Catch up missed lesson or consolidate 4.1 topic 	IA2 Final Due L1
3	29 Apr-3 May	<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 	3.2 summary due
4	6-10 May Labour Day PH - Mon	<ul style="list-style-type: none"> 4.1 – Lipids and 4.2 Biodiesel 4.1 – Carbohydrates Catch up missed lesson or consolidate 4.1 topic 	
5	13-17 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 	IA3 Handed Out L2
6	20-24 May	<ul style="list-style-type: none"> 4.1 – Protein Chromatography and Electrophoresis PRAC Research Investigation – Planning and Researching (IA3 1+2) 	
7	27-31 May	<ul style="list-style-type: none"> Research Investigation – Forming Arguments (IA3 3-5) 	
8	3-7 June	<ul style="list-style-type: none"> Research Investigation – Evaluating (IA3 6+7) 4.1 – Combustion and Elimination Reactions 	IA3 Draft Due L2
9	10-14 June GC24 - Wednesday	<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	17-21 June Exam: Mon am + Wed pm Athletics Carnival - Thurs	<ul style="list-style-type: none"> 4.1 – Reaction Pathways Research Investigation – Drafting Conferencing (IA2 8&9) 	IA3 Draft Returned L2
School holidays: Saturday June 22 - Sunday July 7			

Term 3

Week	Date	Topics	Assessment
1	8-12 July	<ul style="list-style-type: none"> 4.1 – Mass Spectrometry 4.1 – Infrared Spectroscopy and Xray Crystallography Catch up missed lesson or consolidate 4.1 topic 	IA3 Final Due L1
2	15-19 July	<ul style="list-style-type: none"> 30min Memory Retrieval Practice #1 (and self-marking) 4.2 – Optimising Haber and Contact Processes 4.2 – Calculating Theoretical and % Yield 	4.1 summary due
3	22-26 July GC24 - Thursday	<ul style="list-style-type: none"> 30min Memory Retrieval Practice #2 (and self-marking) 4.2 – Green Chemistry and Atom Economy 4.2 – Molecular Manufacturing 	
4	29 Jul- 2 Aug Exam: Wed + Fri pm	<ul style="list-style-type: none"> 40min Memory Retrieval Practice #3 (and peer-marking) 50min Memory Retrieval Practice #4 (and self-marking) Acid and Base Revision 	4.2 summary due
5	5-9 August	<ul style="list-style-type: none"> 50min Memory Retrieval Practice #5 (and peer-marking) Equilibrium Revision 50min Memory Retrieval Practice #6 (and self-marking) 	
6	12-16 August GC24 Finals – Wed.	<ul style="list-style-type: none"> Redox Revision 70min Memory Retrieval Practice #7 (and teacher-marking) Organic Reactions Revision 	
7	19-23 August	<ul style="list-style-type: none"> 70min Memory Retrieval Practice #8 (and self-marking) Organic Materials and Analytical Revision 	
8	26-30 August	<ul style="list-style-type: none"> 70min Memory Retrieval Practice #9 (and self-marking) Chemical Synthesis Revision 70min Memory Retrieval Practice #10 (and self-marking) 	
9	2-6 September	MOCK EXAMS	2 x 90min Exams
10	9-13 September		
School holidays: Saturday September 14 – Sunday September 29			

Term 4

Week	Date	Topics	Assessment
1	30 Sept – 4 Oct	<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	7-11 October King's B'day PH - Monday	<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	14-18 October	<ul style="list-style-type: none"> Revision on 4.2 problem areas Final PRACs Final chemistry lesson 	
4	21 Oct-15 Nov.	EXTERNAL EXAMS	External Assessment: Unit 3 and 4
5	28 Oct – 1 Nov		
6	4-8 November		
7	11-15 November		