

Varsity College Year 12 Physics 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"> Electrostatics, Coulomb's law and electric fields 	
3	10-14 February Swimming Carnival: Tuesday Y11,12 Parent Information Session: Monday	<ul style="list-style-type: none"> Electric potential and magnetic fields 	
4	17-21 February	<ul style="list-style-type: none"> Magnetic fields and solenoids, force on a charge 	
5	24-28 February	<ul style="list-style-type: none"> Force on a current-carrying wire Student Experiment 	
6	3-7 March GCS25: Wednesday	<ul style="list-style-type: none"> Student Experiment 	
7	10-14 March	<ul style="list-style-type: none"> Student Experiment 	
8	17-21 March	<ul style="list-style-type: none"> Electromagnetic induction, Faraday's law and Lenz's law 	
9	24-28 March	<ul style="list-style-type: none"> Transformers and electromagnetic radiation 	
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 	
2	28 April-2 May GCS25: Tuesday	<ul style="list-style-type: none"> • Frames of reference and relative motion, postulates of special relativity and simultaneity 	Assignment Final due Wednesday
3	5-9 May Labour Day: Monday	<ul style="list-style-type: none"> • Time dilation, relativity of time and length contraction 	
4	12-16 May Parent Teacher Interviews: Monday	<ul style="list-style-type: none"> • Rest mass, relativistic momentum and paradoxes 	
5	19-23 May	<ul style="list-style-type: none"> • Young's double slit experiment and blackbody radiation • Research Investigation 	
6	26-30 May	<ul style="list-style-type: none"> • Photons • 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"> • The photoelectric effect 	
9	16-20 June	<ul style="list-style-type: none"> • Research Investigation 	
10	23-27 June Athletics Carnival: Thursday	<ul style="list-style-type: none"> • Rutherford's model of the atom • Bohr's model of the atom and atomic spectra 	
School holidays: Saturday June 28 - Sunday July 13			

Term 3

Week	Date	Topics	Assessment
1	14-18 July	<ul style="list-style-type: none"> Research Investigation 	
2	21-25 July Future Pathways Expo Y11, 12 Parent Information Session: Wednesday	<ul style="list-style-type: none"> Wave-particle duality and quantum theory consolidation 	Assignment Final due Wednesday
3	28 July-1 August Parent Teacher Interviews: Monday	<ul style="list-style-type: none"> Quarks, Hadrons and Leptons, bosons and forces, and baryon and lepton numbers (particle conservation laws) 	
4	4-8 August	<ul style="list-style-type: none"> Feynman diagrams, symmetry in particle interactions and standard model consolidation 	
5	11-15 August GCS25: Tuesday	<ul style="list-style-type: none"> Revision – Gravity and Motion 	
6	18-22 August GC25 (Finals): Tuesday	<ul style="list-style-type: none"> Revision – Electromagnetism 	
7	25-29 August GC Show Day: Friday	<ul style="list-style-type: none"> Revision – Special Relativity 	
8	1-5 September	<ul style="list-style-type: none"> Revision – Quantum theory 	
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
1	6-10 October <small>King's Birthday: Monday</small>	<ul style="list-style-type: none"> Mock exam analysis 	
2	13-17 October	<ul style="list-style-type: none"> Revision of Unit 3 and 4 	
3	20-24 October	<ul style="list-style-type: none"> Revision of Unit 3 and 4 	
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	