

Varsity College Year 11 Physics 2025

Term 1

Week	Date	Topics	Assessment
1	27-31 January O-Week Australia Day: Monday	<ul style="list-style-type: none"> Heating and cooling 	
2	3-7 February	<ul style="list-style-type: none"> Kinetic particle model of matter, energy and temperature 	
3	10-14 February Swimming Carnival: Tuesday	<ul style="list-style-type: none"> Heat transfer and Specific heat capacity 	
4	17-21 February	<ul style="list-style-type: none"> Phase changes, Specific latent heat and thermal equilibrium 	
5	24-28 February	<ul style="list-style-type: none"> Heat, mechanical work, conservation of energy and efficiency Data test practice 	Data Test lesson 3
6	3-7 March GC25: Wednesday	<ul style="list-style-type: none"> Nuclear model of the atom and nuclear stability 	
7	10-14 March	<ul style="list-style-type: none"> Properties of nuclear radiation Balancing nuclear equations and types of decay Half-life 	
8	17-21 March	<ul style="list-style-type: none"> Research Investigation 	
9	24-28 March	EXAM BLOCK	
10	31 March - 4 April Cross Country: Thursday	<ul style="list-style-type: none"> Research Investigation 	
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"> • Research Investigation • Artificial transmutation, Binding Energy and Mass defect 	
2	28 April-2 May GC25: Tuesday	<ul style="list-style-type: none"> • Nuclear fission and fusion • Charge, current and voltage 	
3	5-9 May Labour Day: Monday	<ul style="list-style-type: none"> • Power and resistance 	
4	12-16 May	<ul style="list-style-type: none"> • Research Investigation • Ohm's law 	
5	19-23 May	<ul style="list-style-type: none"> • Resistors in series and parallel and Kirchhoff's laws 	Research Investigation due Thursday
6	26-30 May	<ul style="list-style-type: none"> • Circuit analysis 	
7	2-6 June GC25: Wednesday	EXAM BLOCK	
8	9-13 June GC25: Wednesday	<ul style="list-style-type: none"> • Mechanical model of waves and wave characteristics • Wave boundaries and superposition 	
9	16-20 June	<ul style="list-style-type: none"> • Refraction and diffraction of waves • Properties of sound waves and standing waves in pipes and strings 	
10	23-27 June	<ul style="list-style-type: none"> • Resonance and Natural frequency 	
School holidays: Saturday June 28 - Sunday July 13			

Term 3

Week	Date	Topics	Assessment
1	14-18 July	<ul style="list-style-type: none"> The wave model of light and polarisation, Intensity, Reflection and refraction of light 	
2	21-25 July Future Pathways Expo Y11, 12 Parent Information Session: Wednesday	<ul style="list-style-type: none"> Total internal reflection and lenses 	
3	28 July-1 August Parent Teacher Interviews: Monday	<ul style="list-style-type: none"> Student Experiment 	
4	4-8 August	<ul style="list-style-type: none"> Student Experiment 	
5	11-15 August GCS25: Tuesday	<ul style="list-style-type: none"> Student Experiment Diffraction and interference of light Vectors and Scalars 	
6	18-22 August GC25 (Finals): Tuesday	<ul style="list-style-type: none"> Graphs of linear motion Equations of motion Newton's laws of motion 	
7	25-29 August GC Show Day: Friday	<ul style="list-style-type: none"> Types of forces Momentum and Impulse Work and Energy 	
8	1-5 September	<ul style="list-style-type: none"> Collisions Revision 	
9	8-12 September	EXAM BLOCK	Exam
10	15-19 September	EXAM BLOCK	
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"> • Vectors 	
2	13-17 October	<ul style="list-style-type: none"> • Projectile Motion 	
3	20-24 October	<ul style="list-style-type: none"> • Inclined Planes 	
4	27-31 October	<ul style="list-style-type: none"> • Circular motion 	
5	3-7 November	<ul style="list-style-type: none"> • Gravitational force and fields 	
6	10-14 November	<ul style="list-style-type: none"> • Orbits 	
7	17-21 November	<ul style="list-style-type: none"> • Data test practice 	
8	24-28 November	EXAM BLOCK	Data Test
School holidays: Saturday November 29 – Monday January 26			