

Work rate calendar (WRC) 2025

Term 1

All students are expected to participate in all online lessons and complete all assessment as outlined in this Work rate calendar.

Teachers may adjust topics, class work, assessment and submission dates. Adjustments will be communicated via QLearn or during lessons.

Assessment

Supervised assessment Summative exams are to be supervised by the student's official exam supervisor.

Non-supervised assessment Students must sign declaration of academic integrity.

Week	Dates	Unit	Торіс	Class work / Assessment to be submitted
1	27 Jan – 31 Jan	Unit 1: Topic 1	Monday 27 January — Australia Day Holiday Heating Processes SI Units, Scientific Notation, Significant figures, Calculating with sig. fig. Error and error Analysis	Supervisor Safety Declaration Due 31 st Jan
2	3 Feb – 7 Feb		Specific Heat Capacity Kinetic particle theory, temperature and kinetic energy, measuring temperature, Thermal equilibrium specific heat capacity, calorimetry Graphical Analysis, Linearization graphs	
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12 Latent Heat and Equilibrium Changes of state and latent heat, Heat transfers, heat and work. Heat capacity	
4	17 Feb – 21 Feb		Thermodynamics Energy in systems and review of thermal equilibrium Changes in internal energy, heat engines and efficiency	QLearn Quiz W1-W4 Checkpoint
5	24 Feb – 28 Feb		Ionising radiations and nuclear reactions The nuclear model of the atom, nuclear stability, describe nuclides using relevant nomenclature.	
6	3 Mar – 7 Mar	Unit 1: Topic 2/3	Radioactive decay Radioactivity, properties of nuclear radiation, radioactive decay, types of decay, half-life, laws of radioactive decay	
7	10 Mar – 14 Mar		Nuclear Energy Artificial transmutation, nuclear fission, nuclear fusion	
8	17 Mar – 21 Mar		Mass Energy Equivalence Describe the mass-energy relationship. Solve problems involving E=mc^2	QLearn Quiz W5-W8 Checkpoint Practice Data Test
9	24 Mar – 28 Mar		Exams: Year 11 Monday 24 March – Friday 28 March Revision Data Test Revision Unit 1: Topic 1 & 2	FA1 Data Test Due March 28th 5pm
10	31 Mar – 4 Apr		Thursday 3 April — Cross country / Fun run: Prep – Year 12 Electrical Circuits Charge, current and voltage, voltage and sources of potential energy, power	



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Term 2

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1	21 Apr –		Monday 21 April — Easter Monday	
	25 Apr		Tuesday 22 April – Thursday 24 April — School camp: Year 11	
			Friday 25 April — Anzac Day	
			Electrical Circuits	
			Resistance, Ohm's law, resistance in series and parallel	
			Practical 8.1	
2	28 Apr –	က	FA2: Introduction	Practical 8.1 Due May 2 nd
	2 May		The scientific method,	
		pic	The student experiment	FA2 Proposal Due May
		P		2 nd
		Unit 1: Topic		
3	5 May –	Jnit	Monday 5 May — Labour Day	
	9 May		Circuit analysis and design	
			Kirchhoff's circuit laws, circuit analysis, electrical energy and power dissipation	
4	12 May –		FA2: Student experiment	FA2 Data Due May 16th
	16 May		Data collection & Analysis	
5	19 May –		FA2: Student Experiment	FA2 Draft Due May 23 rd
	23 May		Interpretation, Evaluation, Scientific Argument - Draft	
6	26 May –		Wave Properties	QLearn Quiz W6
	30 May		Characteristics of waves	Checkpoint
7	2 Jun –		FA2: Student Experiment	
	6 Jun		Apply draft feedback	
8	9 Jun –		Sound and Light Wave Properties	FA2 Final Due June 13 th
	13 Jun	7	Properties and applications of sound waves	
		<u> </u>	Properties of light, reflection & refraction	
		Top		
9	16 Jun –	.:	Light Waves & FA3 Introduction	Practical 16.1 Due June
	20 Jun	Unit 2: Topic	Ray diagrams, Snell's law, and reflection	20 th
			Practical 16.1 Determining refractive index	
			. Ideasa. 1911 Betermining fortactive index	
			FA3 Introduction	
10	23 Jun –		Friday 27 June — Athletics carnival / Sports day: Prep – Year 12	FA3 Proposal Due
	27 Jun		FA3 Research Investigation	
			Proposal supported by data	



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Term 3

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1	14 Jul – 18 Jul		FA3 Research Investigation Class time for FA3	
2	21 Jul – 25 Jul		FA3 Research Investigation Class time for FA3	QLearn Review Quiz
3	28 Jul – 1 Aug	Unit 2: Topic 1	Vectors and Scalars Displacement, velocity and acceleration and force Practical 10.1: Acceleration due to gravity	FA3 Draft Due Aug 1 st Practical 10.1 Due Aug 1 st
4	4 Aug – 8 Aug		Newton's Laws of Motion Force, weight and gravity Acceleration, equations of motion and Newton's laws Free-body diagrams Practical 10.2: graphs of motion	
5	11 Aug – 15 Aug		Wednesday 13 August — Royal Queensland (Ekka) Show Holiday Research Investigation Seeking and applying draft feedback to final report	
6	18 Aug – 22 Aug	Unit 2: Topic 1	Momentum, Impulse and Work Conservation of momentum, Conservation of energy	FA3 Final Due Aug 22 nd
7	25 Aug – 29 Aug		Work and Energy Gravitational potential and kinetic energy	
8	1 Sept – 5 Sept		Friday 5 September — Student free day Linear Motion and Force Energy changes and collisions	Practice Exam
9	8 Sept – 12 Sept		Revision Unit 1 & 2 Revision	
10	15 Sept – 19 Sept		Exams: Year 11 Monday 15 September – Friday 19 September Friday 19 September — Connect day: Years 11–12	FA4 Exam Due September 19 th



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Term 4

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Week	Dates	Unit	Торіс	Class work / Assessment to be submitted
1	6 Oct –		Monday 6 October — King's Birthday Holiday	
	10 Oct		Introduction to Gravity and Motion	
			Projectile motion and vectors,	
			Horizontal projection, Combining vectors	
			Mandatory practical 1.3: projection at an angle	
			mandatory practical rio. projection at an angle	
2	13 Oct – 17 Oct		Gravity and Motion	Practical 1.3 Report
	17 Oct		Projection at an angle	
3	20 Oct –		Inclined Plane	QLearn Quiz W3
	24 Oct		Forces due to gravity, friction and tension Forces acting on an	Checkpoint
			inclined plane	
			Teacher demonstration Practical 3.3:centripetal force	
4	27 Oct –	ic 1	Circular Motion	
	31 Oct	ig o	Uniform circular motion	
		Unit 3: Topic 1	Centripetal acceleration and force	
5	3 Nov –	- E	Newton's laws of Universal Gravitation	
	7 Nov		Gravitational fields	
6	10 Nov –		Electrostatics Introduction	Practical 7.2 Report
	14 Nov		Practical 7.2: Strength of a magnet at various distances	
			Practical Excursion	QLearn Quiz W6
				Checkpoint
7	17 Nov –		Friday 21 November — Aquatic carnival: Prep – Year 11	Gravity Review Quiz
	21 Nov		Electrostatics	
			Solving problems involving charged particles	
8	24 Nov –		Exams: Year 11	
	28 Nov		Monday 24 November – Friday 28 November	
			Friday 28 November — Final day: Years 10–11	