

Year 7 Science

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	Topic (Stile lesson)	Class work / Assessment to be submitted
1	27 Jan – 31 Jan	Unit 1: Physical Science	Monday 27 January — Australia Day Holiday Introduction to Science Welcome, set-up, introduction to Science (1.1a)	
2	3 Feb – 7 Feb		Science skills Science skills, rationale, lab safety & risk assessment (1.2a) Forces Intro to forces (1.2b); Balanced & unbalanced forces (1.2c)	
3	10 Feb – 14 Feb		Friday 14 February — Senior orientation day: Years 10–12 Forces Net force & free body diagrams (1.3a) Gravity Gravity, mass & weight (1.3b); Practical – measuring gravitational force (1.3c)	
4	17 Feb – 21 Feb		Friction Introduction to friction (1.4a); Practical – Friction on different surfaces (1.4b & 1.4c)	
5	24 Feb – 28 Feb		Buoyancy Buoyancy & surface tension; practicals (1.5a) Magnetism Magnets & magnetic fields (1.5b) Mandatory Quiz; SA1 Experiment Introduction to SA1 Task (SA1 Balloon-Powered Car)	Mandatory Quiz Due Friday 28 th February, 5pm to QL
6	3 Mar – 7 Mar		Formative Task Virtual Mousetrap Racer (1.6a) SA1 Experiment Planning & building (SA1 Balloon-Powered Car)	
7	10 Mar – 14 Mar		SA1 Experiment Testing, data analysis, evaluation, report-writing (SA1 Balloon-Powered Car)	SA1 DRAFT Due Friday 14 th March, 5pm to QL
8	17 Mar – 21 Mar		SA1 Experiment Review forces & diagrams (1.8a); Report-writing	
9	24 Mar – 28 Mar		Monday 24 March – Wednesday 26 March — School camp: Years 7–8 Simple machines Types of simple machines & mechanical advantage (1.9a)	SA1 FINAL Due Friday 28 th March, 5pm to QL
10	31 Mar – 4 Apr		Thursday 3 April — Cross country / Fun run: Prep – Year 12 Simple machines Practical – Building a catapult; force & speed multipliers (1.10a); First Nations simple machines (1.10b)	

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Term 2

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Assessment				
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Week	Dates	Unit	Topic (Stile lesson)	Class work / Assessment to be submitted
1	21 Apr – 25 Apr	Unit 2: Earth & Space Science	Monday 21 April — Easter Monday	
			Friday 25 April — Anzac Day	
The Solar System				
Relative positions & movements of Sun, Earth & Moon (2.1a)				
2	28 Apr – 2 May		The Solar System	
			Changing models of the Universe (2.2a); Orbits & years (2.2b)	
			Day & night	
			Daylight hours & seasons; practical – modelling day & night (2.2c)	
3	5 May – 9 May		Monday 5 May — Labour Day	
			Day & night	
		Changes in daylight hours (2.3ab)		
4	12 May – 16 May	Phases of the Moon		
		Phases of the Moon (2.4a); Culture & the Sun & Moon		
		Mandatory Quiz		
		Class time for MQ	Mandatory Quiz Due Friday 16 th May, 5pm to QL	
5	19 May – 23 May	Tides		
		Tides & their causes (2.5a); Practical – modelling tides (2.5b); Effects of Sun & Moon (2.5c)		
6	26 May – 30 May	Eclipses		
		Lunar & solar eclipses & modelling eclipses (2.6a)		
		Seasons		
		Causes of the seasons (2.6b)		
		SA1 Practice Exam		
		Class time for Practice Exam	SA1 PRACTICE EXAM Due Friday 30 th May, 5pm to QL	
7	2 Jun – 6 Jun	SA1 Revision		
		Practice exam feedback; Revision (2.7ab)		
		SA1 Exam		
		Class time for SA1 Exam	SA1 EXAM Due Friday 6 th June, 5pm to QL	
8	9 Jun – 13 Jun	Project		
		Introduction to project, planning, product (2.8a & 2.8b)		
9	16 Jun – 20 Jun	Project		
		Finalise product & presentation; Presentations		
10	23 Jun – 27 Jun	Friday 27 June — Athletics carnival / Sports day: Prep – Year 12		
		Project		
		Presentations & reflections		

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Term 3

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Assessment				
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Week	Dates	Unit	Topic (Stile lesson)	Class work / Assessment to be submitted
Unit 3: Chemical Science	1	14 Jul – 18 Jul	States of matter States & properties of matter (3.1a) Particle model The particle model (3.1b); Changing states and heat transfer (3.1c)	
	2	21 Jul – 25 Jul	Particle model Revision/check-in (3.2a) Mixtures Pure substances & mixtures (3.2b); Suspensions & colloids (3.2c)	
	3	28 Jul – 1 Aug	Wednesday 30 July — SET plan meetings: Year 10 Solutions Solutions, solutes & solvents (3.3a); Measuring & Prac: Solubility (3.3b); Concentration, saturation & Prac: Temp & dissolving (3.3c)	
	4	4 Aug – 8 Aug	Separating mixtures Separating mixtures (3.4a); Hand-picking, sieving & magnetism (3.4b); Decantation & filtration (3.4c)	
	5	11 Aug – 15 Aug	Wednesday 13 August — Royal Queensland (Ekka) Show Holiday Separating mixtures Evaporation & distillation (3.5a) Mandatory Quiz Class time for MQ	Mandatory Quiz Due Friday 15 th August, 5pm to QL
	6	18 Aug – 22 Aug	Separating mixtures Chromatography (3.6a) & Formative test: Mixtures (3.6a) SA3 Experimental Investigation Introduction to task; Planning (SA3 Experimental Investigation Part A)	
	7	25 Aug – 29 Aug	SA3 Experimental Investigation Planning; Experimentation & data collection (SA3 Experimental Investigation Part A & B)	SA3 PART A Due end of Lesson 1, Week 7, 5pm to Stile & QL
	8	1 Sept – 5 Sept	Friday 5 September — Student free day SA3 Experimental Investigation Data analysis & evaluation (SA3 Experimental Investigation Part B)	SA3 PART B DRAFT Due Friday 5 th September, 5pm to Stile & QL
	9	8 Sept – 12 Sept	Friday 12 September — Connect day: Years 7–8 SA3 Experimental Investigation Proofreading & editing; Finalise report (SA3 Experimental Investigation Part A & B)	SA3 FINAL – PARTS A & B Due Friday 12 th September, 5pm to QL
	10	15 Sept – 19 Sept	Wednesday 17 September — Connect day: Years 9–10 First Nations Perspectives Conservation of land & water (First Nations Conservation)	

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Term 4

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Assessment

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Week	Dates	Unit	Topic (Stile lesson)	Class work / Assessment to be submitted
1	6 Oct – 10 Oct	Unit 4: Biological Science	Monday 6 October — King's Birthday Holiday Classification Living vs non-living things (4.1a); Importance of classification (4.1b)	
2	13 Oct – 17 Oct		Classification Linnean classification system (4.2a); Binomial nomenclature (4.2b); Mini-project - Animal profiles (4.2c)	
3	20 Oct – 24 Oct		Classification First Nations classification vs Linnean classification (4.3a); Using dichotomous keys (4.3b); Making dichotomous keys (4.3c)	
4	27 Oct – 31 Oct		Classification Vertebrates & mammals (4.4a); Invertebrates & arthropods (4.4b) Mandatory Quiz Class time for MQ	Mandatory Quiz Due Friday 31 st October, 5pm to QL
5	3 Nov – 7 Nov		Ecology Food chains (4.5a); Food webs (4.5b); Ecosystems & ecological pyramids (4.5c)	
6	10 Nov – 14 Nov		Ecology Relationships in ecosystems (4.6a); Impacts of invasive species (4.6b) Formative task Class time for Formative Task	
7	17 Nov – 21 Nov		Friday 21 November — Aquatic carnival: Prep – Year 11 Revision Classification & ecology revision (4.7a) SA4 Practice Exam Class time for practice exam	SA4 Practice Exam Due Friday 21 st November, 5pm to QL
8	24 Nov – 28 Nov		Friday 28 November — STEM Connect day: Years 5–9 Friday 28 November — Final day: Years 10–11 Revision Classification & ecology revision SA4 Exam Class time for SA4 Exam	SA4 Exam Due Friday 28 th November, 5pm to QL
9	1 Dec – 5 Dec		Bee Project	
10	8 Dec – 12 Dec		Bee Project	