

Year 8 Science Intensive: Physics

Work rate calendar (WRC) 2024

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	Class work / Assessment to be submitted
1	22 Jan – 26 Jan	Unit 1: Physics	Monday 22 January — Welcome calls for students: Prep – Year 12	
			Wednesday 24 January — Learning for success: Prep – Year 12	
			Friday 26 January — Australia Day Holiday	
			Introduction to the Physics Unit	
	What do you already know?			
	Prior-knowledge; Energy, Forces, Simple Machines			
2	29 Jan – 2 Feb		Different Types of Energy	Supervisor Safety Declaration signed and uploaded to QLearn
			Kinetic Energy, GPE, Virtual Investigation	
3	5 Feb – 9 Feb		Friday 9 February — Senior orientation day: Years 10–12	
			Planning Investigations and Data Collection	
		Potential Energy and Investigating Elastic Potential Energy		
		Science Report Writing.		
4	12 Feb – 16 Feb	Energy Transformations and Energy Efficiency	Physics Quiz	
		Law of Conservation and Calculation of Energy Efficiency.	QLearn	
5	19 Feb – 23 Feb	Draft SA1 Plan – Part A	Draft SA1 – Part A Plan	
		Class time to plan SA1	Submit Part A to QLearn Friday 23 Feb	
6	26 Feb – 1 Mar	Science Report Writing Skills		
		Receive feedback on Draft Plan SA1		
		Science reporting skills		
7	4 Mar – 8 Mar	Physics Report SA1	Draft Report SA1	
		Conduct and write science report.	Submit draft to QLearn Friday 8 March	
8	11 Mar – 15 Mar	Newton's Laws of Motion		
		First, Second and Third Laws		
9	18 Mar – 22 Mar	Monday 18 March – Wednesday 20 March — School camp: Years 7–8	Final SA1	
		SA1 Task	Submit Final Report to QLearn Friday 22 March	
		Apply feedback and complete all sections of the report.		
10	25 Mar – 29 Mar	Thursday 28 March — Cross country / Fun run: Prep – Year 12		
		Friday 29 March — Good Friday		
		Renewable Energy		
		Different types and use of renewable energy in Australia.		

Year 8 Science Intensive: Chemistry

Work rate calendar (WRC) 2024

Term 2

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

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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	Class work / Assessment to be submitted
1	15 Apr – 19 Apr	Unit 2: Chemistry	Introduction to Chemistry Laboratory Equipment and Safety.	
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day	
			Physical Changes States of Matter	
3	29 Apr – 3 May		Particle Model Modelling Particles/ Diffusion	
4	6 May – 10 May		Monday 6 May — Labour Day	
			Chemical Change Indicators, Energy Changes	Chemistry Quiz Qlearn
5	13 May – 17 May	Periodic Table Elements, Compounds and Mixtures	SA2 Practice Exam Exam due 17 May	
6	20 May – 24 May	Unit 2: Chemistry	Chemical Reactions Combustion, Rusting, Oxidation and Reduction Reactions	
7	27 May – 31 May		Revision and Assessment Week Revision Activities and Preparation for SA2 Exam.	SA2 Final Exam Exam due 31 May
8	3 Jun – 7 Jun		Materials Testing Designing an Experimental Investigation	
9	10 Jun – 14 Jun		Materials Testing	
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12	
		Chemical Formulae Symbols and models for molecules and compounds		

Year 8 Science Intensive: Earth Science

Work rate calendar (WRC) 2024

Term 3

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	Class work / Assessment to be submitted
1	8 Jul – 12 Jul	Unit 3: Earth Sciences	Introduction to Earth Science Structure of the Earth and Big Questions	
2	15 Jul – 19 Jul		The Rock Cycle and Tectonic Plates Weathering and Erosion	Supervisor Safety Declaration signed and uploaded to QLearn
3	22 Jul – 26 Jul		Sedimentary Rocks Classification of Sedimentary Rock	
4	29 Jul – 2 Aug		Igneous Rocks Classification of Sedimentary Rock	Earth Science Quiz QLearn
5	5 Aug – 9 Aug		Metamorphic Rocks Classification of Sedimentary Rock	
6	12 Aug – 16 Aug	Unit 3: Earth Sciences	Wednesday 14 August — Royal Queensland (Ekka) Show Holiday Assessment task SA3 – Research Investigation	Draft SA3 Submit to QLearn Fri 16 Aug
7	19 Aug – 23 Aug		Assessment task SA3 – Research Investigation	
8	26 Aug – 30 Aug		Friday 30 August — Student free day Assessment task Completion of SA3 – Research Investigation	Final SA3 Submit to QLearn Fri 30 Aug
9	2 Sept – 6 Sept		Earthquake Resistant Buildings Engineering Challenge	
10	9 Sept – 13 Sept		Wednesday 11 September — Connect excursion: Years 7–9 Friday 13 September — Connect excursion: Years 10–12 Earthquake Resistant Buildings Engineering Challenge	

Year 8 Science Intensive: Biology

Work rate calendar (WRC) 2024

Term 4

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	Class work / Assessment to be submitted
1	30 Sept – 4 Oct	Unit 4: Biology	Introduction to the Biology Unit Discovery of Cells Prokaryotes	
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday Eukaryotes/ Animal Cells Review Classification Systems Practical – Use of the Microscope and Cell Size	
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 Cell Models Build a Model of a Plant or Animal Cell	
4	21 Oct – 25 Oct		Structure and Function of Specialised Cells Practical - Dissection	Biology Quiz QLearn
5	28 Oct – 1 Nov		Body Systems Organ Systems	
6	4 Nov – 8 Nov	Unit 4: Biology	Asexual and Sexual Reproduction Cell Division Practical – Flower Dissection	
7	11 Nov – 15 Nov		Revision	SA4 Practice exam Due 15th November
8	18 Nov – 22 Nov		Friday 22 November — Aquatic carnival: Prep – Year 11 Friday 22 November — Final day: Years 10–11 Revision Revision and Exam	SA4 – Exam Due 22nd November
9	25 Nov – 29 Nov		Biomedical Scientist Research Introduction and Research	
10	2 Dec – 6 Dec		Biomedical Scientist Research Class Presentation of Research	
11	9 Dec – 13 Dec	Wednesday 11 December — Connect day: Years 7–9 Stem cells		