

# Year 8 Science

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

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# Work rate calendar (WRC) 2024

## Term 2

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Assessment				
<b>Supervised assessment</b>		Summative exams are to be supervised by the student's official exam supervisor.		
<b>Non-supervised assessment</b>		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	<b>Introduction to Chemistry</b> Laboratory Equipment and Safety.	<b>Class Work</b> Send In
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day	<b>Class Work</b> Send In
			<b>Physical Changes</b> States of Matter	
3	29 Apr – 3 May		<b>Particle Model</b> Modelling Particles/ Diffusion	<b>Class Work</b> Send In
4	6 May – 10 May		Monday 6 May — Labour Day	<b>Chemistry Quiz</b> Qlearn
5	13 May – 17 May		<b>Periodic Table</b> Elements, Compounds and Mixtures	<b>SA2 Practice Exam</b> <b>Exam due 17 May</b>
6	20 May – 24 May	Unit 2: Chemistry	<b>Chemical Reactions</b> Combustion, Rusting, Oxidation and Reduction Reactions	<b>Class Work</b> Send In
7	27 May – 31 May		<b>Revision Week</b> Revision Activities and Preparation for SA2 Exam.	<b>SA2 Final Exam</b> <b>Exam due 31 May</b>
8	3 Jun – 7 Jun		<b>Materials Testing</b> Designing an Experimental Investigation	<b>Class Work</b> Send In
9	10 Jun – 14 Jun		<b>Materials Testing</b>	<b>Class Work</b> Send In
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12	<b>Chemical Formulae</b> Symbols and models for molecules and compounds

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## Work rate calendar (WRC) 2024

## Term 3

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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	8 Jul – 12 Jul	Unit 3: Earth Sciences	<b>Introduction to Earth Sciences - Earth Structure and Fossils</b> Earth's Layers: Structure, temperature, and pressure Fossil Record: Formation and significance	<b>Class Work</b> Send In
2	15 Jul – 19 Jul		<b>Plate Tectonics and Continental Drift</b> Tectonic Plates: Plate boundaries and geological features Continental Drift: Movement of continents and evidence	<b>Class Work</b> Send In
3	22 Jul – 26 Jul		<b>Volcanoes, Natural Disasters and Types of Rock</b> Hotspot Volcanoes: Formation and plate movement Natural Disasters: Types and impacts Types of Rocks: Igneous, sedimentary, and metamorphic rocks	<b>Class Work</b> Send In
4	29 Jul – 2 Aug		<b>Rock Identification and Minerals</b> Rocks: Classify and describe various rocks Minerals: Properties and classification	<b>Mandatory Quiz</b> <b>Submit to QLearn</b>
5	5 Aug – 9 Aug		<b>Rock Cycle, Erosion and Introduction to the Research Task</b> Formation and transformation of rocks Breaking rocks and erosion <b>Introduction to Research Investigation</b>	<b>Class Work</b> Send In
6	12 Aug – 16 Aug	Unit 3: Earth Sciences	Wednesday 14 August — Royal Queensland (Ekka) Show Holiday <b>Assessment Task</b> SA3 Research Investigation Focus Work on Part A	<b>Class Work</b> Send In
7	19 Aug – 23 Aug		<b>Assessment Task</b> SA3 Research Investigation Focus Work on Part B Completing Part A and B Draft	<b>Draft – SA3 Part A and B - Submit to QLearn due on Friday 23<sup>rd</sup> Aug</b>
8	26 Aug – 30 Aug		Friday 30 August — Student free day <b>Earthquake-Resistant Building – Design and Build</b> Design and construct earthquake-resistant buildings	
9	2 Sept – 6 Sept		<b>Assessment Task</b> Finalizing and submitting SA3 Research Task Apply teacher feedback to refine Part A and B Completion of SA3 Task - Final revisions and submission of the complete SA3 Task Part A and B	<b>Final SA3 - Submit to QLearn due on Friday 6<sup>th</sup> Sep</b>
10	9 Sept – 13 Sept		Wednesday 11 September — Connect excursion: Years 7–9 Friday 13 September — Connect excursion: Years 10–12 <b>Earthquake-Resistant Buildings - Test and Present</b> Testing and Presentation: Evaluate and communicate building designs	<b>Class Work</b> Send In

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## Work rate calendar (WRC) 2024

## Term 4

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Assessment				
<b>Supervised assessment</b>		Summative exams are to be supervised by the student's official exam supervisor.		
<b>Non-supervised assessment</b>		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	<Topic> <Topic information>	<Class work> <Class work information> <Assessment> <Assessment information>
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday <Topic> <Topic information>	
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 <Topic> <Topic information>	
4	21 Oct – 25 Oct		<Topic> <Topic information>	
5	28 Oct – 1 Nov		<Topic> <Topic information>	
6	4 Nov – 8 Nov	Unit 4: Biology	<Topic> <Topic information>	
7	11 Nov – 15 Nov		<Topic> <Topic information>	
8	18 Nov – 22 Nov		Friday 22 November — Aquatic carnival: Prep – Year 11 Friday 22 November — Final day: Years 10–11 <Topic> <Topic information>	TBC
9	25 Nov – 29 Nov		<Topic> <Topic information>	
10	2 Dec – 6 Dec		<Topic> <Topic information>	
11	9 Dec – 13 Dec	Wednesday 11 December — Connect day: Years 7–9 <Topic> <Topic information>		