Year 9 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: Biology	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 **Course Introduction** Introduction to Body systems	
2	29 Jan – 2 Feb		**Body system** Respiratory system	Supervisor's safety declaration signed and uploaded to Qlearn
3	5 Feb – 9 Feb		**Body system** Mandatory experiment	
4	12 Feb – 16 Feb		**Body system** Endocrine system	**Mandatory Quiz**
5	19 Feb – 23 Feb		**Student Experiment Planning** Excretory system Experiment planning	**SA1 –- Checkpoint:** Rationale and Research Question **due 23rd February**
6	26 Feb – 1 Mar		**Nervous System, Immune Response, Reproduction, and Radiation** Collaboration of body systems Experiment data collection	
7	4 Mar – 8 Mar		**Assessment skill building** Connecting body systems Student experiment write-up	**SA1 – Draft due by 8th March**
8	11 Mar – 15 Mar		**Body responses to disease system** Digestive system Student experiment report	
9	18 Mar – 22 Mar		**Student Experiment Report** Student experiment write-up	**SA1 – Final due by 22nd March**
10	25 Mar – 29 Mar		Thursday 28 March — Cross country / Fun run: Prep – Year 12 Friday 29 March — Good Friday **Effect of radiation on the body** Disease transmission	

LEGEND | Class work — send-in | Summative assessment | Exam block | School events | Public holidays | Student free day

Year 9 Science

Work rate calendar (WRC) 2024 Term 2

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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: Earth and Environmental	**Plate tectonics** The Earth	
2	22 Apr – 26 Apr		Thursday 25 April — Anzac Day **Plate tectonics** Tectonic plates	
3	29 Apr – 3 May		**Plate tectonics** Hotspots	
4	6 May – 10 May		Monday 6 May — Labour Day **Plate tectonics** Australian plate	**SA2 Practice exam** **Due by10th May**
5	13 May – 17 May		**Plate tectonics** Exam week	**SA2 Exam** **Due by 17th May**
6	20 May – 24 May		**Ecosystems** Ecosystems	
7	27 May – 31 May		**Ecosystems** Energy transfers	
8	3 Jun – 7 Jun		**Ecosystems** Biodiversity	
9	10 Jun – 14 Jun		**Ecosystems** Indigenous land care	**Mandatory Quiz** **Ecology field study**
10	17 Jun – 21 Jun		Friday 21 June — Athletics carnival / Sports day: Prep – Year 12 **Ecosystems** Research Investigation	**Ecology Research Investigation**

LEGEND | Class work — send-in | Summative assessment | Exam block | School events | Public holidays | Student free day

Year 9 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 <x>: <Title>	**Energy and The Particle Model** Define Heat Energy, Temperature Heat Transfer by the particle model	
2	15 Jul – 19 Jul		**Heat Transfer** Defining Conduction, Convection, and Radiation to transfer Heat Energy	
3	22 Jul – 26 Jul		**Effects of Heat Transfer** Conductivity of metals, convection currents, radiation absorption and colour	
4	29 Jul – 2 Aug		**Research Project** Researching Energy use in a home.	
5	5 Aug – 9 Aug		**Research Project** Writing scientific reports, gathering data, forming conclusions.	**Mandatory class quiz** **Checkpoint 1**
6	12 Aug – 16 Aug	Unit <x>: <Title>	Wednesday 14 August — Royal Queensland (Ekka) Show Holiday **What is Electricity** Electrical supply, charged particles, electrical flow through materials.	**SA3 assessment Draft** **Due by 16th August**
7	19 Aug – 23 Aug		**Electrical Circuits** Simple circuits, batteries, switches and flow paths, conductors and insulators.	
8	26 Aug – 30 Aug		Friday 30 August — Student free day **The theory of "Light"** Define light rays, reflection on varied surfaces, refraction, white light/spectrum	**SA3 assessment** **Due by 30th August**
9	2 Sept – 6 Sept		**Sound Waves** Define sound energy, waves, wavelength, frequency and speed of sound.	
10	9 Sept – 13 Sept		Wednesday 11 September — Connect excursion: Years 7–9 Friday 13 September — Connect excursion: Years 10–12 **Sound Elements** Pitch, volume, ultrasonic and infrasonic waves.	

LEGEND | Class work — send-in | Summative assessment | Exam block | School events | Public holidays | Student free day

Year 9 Science

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 <x>: <Title>	**Understanding the atom** Structure of atoms, atomic number and mass number Isotope	
2	7 Oct – 11 Oct		Monday 7 October — King's Birthday Holiday **Understanding the Radio isotope** Radio isotope and half-life graphs, application of radioisotope	
3	14 Oct – 18 Oct		Monday 14 October – Wednesday 16 October — School camp: Years 9–10 **Chemical reaction** Writing word equations of chemical reaction Law of conservation of mass	
4	21 Oct – 25 Oct		**Chemical reaction** Combustion reaction	
5	28 Oct – 1 Nov		**Chemical reaction** Exothermic and Endothermic reaction	**Mandatory quiz**
6	4 Nov – 8 Nov	Unit <x>: <Title>	**Chemical reaction** Acid base reaction and pH scale	
7	11 Nov – 15 Nov		**Chemical reactionRevision and summative exam.** Ocean acidification	**SA4 practice exam** **Due by 15th Nov**
8	18 Nov – 22 Nov		Friday 22 November — Aquatic carnival: Prep – Year 11 Friday 22 November — Final day: Years 10–11 Revision and summative test. Ocean acidification	**SA4 exam** **Due by 22nd Nov**
9	25 Nov – 29 Nov		**Radioactive decay** Alpha decay, Beta decay, uses of radioisotopes	
10	2 Dec – 6 Dec		**Career profile of scientist and explosive chemical reactions**	
11	9 Dec – 13 Dec		Wednesday 11 December — Connect day: Years 7–9 **Photosynthesis and respiration**	

LEGEND | Class work — send-in | Summative assessment | Exam block | School events | Public holidays | Student free day