Year 8 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	Class work / Assessment to be submitted
1	27 Jan – 31 Jan	Unit 1: Chemistry	Monday 27 January — Australia Day Holiday **Orientation** Teacher expectations Access stile, Textbook	Supervisor safety declaration Stile lessons or quizzes as set by Teacher for each week.
2	3 Feb – 7 Feb		**Atoms** Review Y6 reversible changes, Y7 Particle theory, Pure substances vs Mixtures Discovery of atoms of elements – Democritus to Dalton, Element symbols	
3	10 Feb – 14 Feb		**Elements, Compounds & Mixtures** Mendeleev periodic physical properties Compounds Mixtures	
4	17 Feb – 21 Feb		**Chemical change** Models of chemical change, Indicators of chemical change Heat of reaction Uses of substances relate to properties	
5	24 Feb – 28 Feb		**Data collection** PRACTICAL: Iron wool + Vinegar → Rust Planning, Data collection, Construct tables	Chemistry Practice Exam
6	3 Mar – 7 Mar		**Analysis of data** Construct graphs Analyse relationships in data	
7	10 Mar – 14 Mar		**Evaluate/Conclude** Evaluate quality of evidence Conclude / interpret data	Practical: iron wool + vinegar
8	17 Mar – 21 Mar		**Revision** Revise	**SA1 Chemistry Exam QLearn**
9	24 Mar – 28 Mar	Unit 2: Physics	Monday 24 March – Wednesday 26 March — School camp: Years 7–8 **Energy** Review Y6 source of energy, Y7 Unbalanced forces Energy transfer & transformation, Define energy, Useful & wasted energy	
10	31 Mar – 4 Apr		**Inquiry skills / classify energy types** PRACTICAL: Virtual Skate Park Kinetic Energy, Gravitational potential energy, Thursday 3 April — Cross country / Fun run: Prep – Year 12	Practical: Virtual skate park

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

Year 8 Science

Work rate calendar (WRC) 2025 Term 2

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	21 Apr – 25 Apr	Unit 2: Physics	Monday 21 April — Easter Monday **Redirect experimental investigation** Elastic potential energy PRACTICAL: Bouncing ball Planning / Redirection Collecting data Friday 25 April — Anzac Day	Stile lessons or quizzes as set by Teacher for each week
2	28 Apr – 2 May		**Analyse & Evaluate** Analyse data Evaluate quality of evidence Conclude with an interpretation	Practical: Bouncing ball
3	5 May – 9 May		Monday 5 May — Labour Day **SA2 Planning**	**SA 2 Student Experiment – Planning due**
4	12 May – 16 May		**Data collection** Follow method & record data	
5	19 May – 23 May		**Analysis** Graph Analyse data	
6	26 May – 30 May		**Evaluation / Communication** Evaluate quality of evidence Conclude with interpretation Communicate in report	**SA 2 Student Experiment – Draft due**
7	2 Jun – 6 Jun		**Other energy transformations** Firestick farming Electrical circuit transformations & losses Draft feedback	
8	9 Jun – 13 Jun		**Communicating** Final report	**SA2 Student Experiment – Final Due**
9	16 Jun – 20 Jun	Unit 2: Biology	**Cells** Discovery of cells Cell size & units Animal organelles	
10	23 Jun – 27 Jun		**Cells in tissues** Plant cells PRACTICAL: Virtual microscope Tissues Friday 27 June — Athletics carnival / Sports day: Prep – Year 12	

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

Year 8 Science

Work rate calendar (WRC) 2025 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	14 Jul – 18 Jul	Unit 3: Biology	**Specialised plant cells** Plant systems, tissues & cells Animal digestive organs	Stile lessons or quizzes as set by Teacher for each week
2	21 Jul – 25 Jul		**Specialised animal cells** Digestive tissues & cells Respiratory organs, tissues & cells	
3	28 Jul – 1 Aug		Wednesday 30 July — SET plan meetings: Year 10 **Specialised animal cells** Circulatory organs, tissues & cells Locate & analyse data on a disease or functioning of a tissue	
4	4 Aug – 8 Aug		**Analyse and evaluate** Analyse & evaluate given 2nd hand data Analyse & evaluate 2nd hand disease or functioning data located by students	**Biology Practice exam**
5	11 Aug – 15 Aug		**Analyse and evaluate** Revise Biology Wednesday 13 August — Royal Queensland (Ekka) Show Holiday	**SA3 Biology exam**
6	18 Aug – 22 Aug	Unit 4: Earth Science	**Rocks** Minerals Rock types Rock cycle	Research report: Disease or functioning of a body tissue or organ
7	25 Aug – 29 Aug		**Rock properties** Relationship between rock formation, properties & uses Tectonic events	
8	1 Sept – 5 Sept		**Continental drift evidence** Continental drift evidence Forces moving plates Friday 5 September — Student free day	
9	8 Sept – 12 Sept		**Tectonic plate evidence** Sea floor spreading Convergent boundaries Data for converging boundaries Friday 12 September — Connect day: Years 7–8	
10	15 Sept – 19 Sept		**Diverging boundaries** Diverging boundaries Data for diverging boundaries Transform boundaries	

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

Year 8 Science

Work rate calendar (WRC) 2025 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	6 Oct – 10 Oct	Unit 4: Earth Science	Monday 6 October — King's Birthday Holiday **Hot spots** Hot spots	Stile lessons or quizzes as set by Teacher for each week
2	13 Oct – 17 Oct		**Early warning systems** Early warning systems Revision	
3	20 Oct – 24 Oct		**Earth Science revision** Revision	**SA4 part A Earth Science Quiz**
4	27 Oct – 31 Oct		**Research Investigation planning** Choose evidence Write question	**SA4 Research Investigation Proposal**
5	3 Nov – 7 Nov		**Analyse evidence** Analyse trends in 2nd hand data	
6	10 Nov – 14 Nov		**Evaluate evidence for a claim** Evaluate quality of evidence Answer research question Evaluate claim	**SA4 Research Investigation Draft**
7	17 Nov – 21 Nov		Friday 21 November — Aquatic carnival: Prep – Year 11 **The Australian Plate** Tectonics in relation to the Australian Plate Earthquake resistant buildings	
8	24 Nov – 28 Nov		**Communicate** Final report Friday 28 November — STEM Connect day: Years 5–9	**SA4 part B Earth Science Research Investigation**
9	1 Dec – 5 Dec		**Earthquake resistant buildings** Design, construct & test an earthquake resistant building	
10	8 Dec – 12 Dec		**Earthquake resistant building** Design, construct & test an earthquake resistant building	

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