

INVESTIGATING SCIENCE

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - New for 2020				
37	TRIS-20	TRIAL EXAM, 3 hour paper. The Year 12 exam consists of four modules. Module 5: Scientific Investigations; Module 6: Technologies; Module 7: Fact or Fallacy?; Module 8: Science and Society.	\$ 110	
38	YR11IS-20	YEAR 11 EXAM, 2 hour paper. The Year 11 exam consists of four modules. Module 1: Cause and Effect – Observing; Module 2: Cause and Effect – Inferences and Generalisations; Module 3: Scientific Models; Module 4: Theories and Laws.	\$ 65	
HSC ASSESSMENT TASKS - Published 2019				
39	Ser1-IS-1	Module 5: Scientific Investigations. Research Task: Observation leading to investigation and examination of data. Peptic ulcers.	\$ 25	
40A	Ser1-IS-2A	Module 6: Technologies. Practical Task: Reaction rates.	\$ 25	
40B	Ser1-IS-2B	Module 6: Technologies Depth Study: Newton's Laws and Earthquake-proof buildings	\$ 25	
41	Ser1-IS-3	Module 7: Fact or Fallacy? Practical Task: Testing a claim.	\$ 25	
42	Ser1-IS-4	Module 8: Science and Society. Research task: How do science related events (nuclear meltdowns and damming of rivers) affect the public image of science?	\$ 25	
YEAR 11 ASSESSMENT TASKS - Published 2019				
43	YR11ISDS	DEPTH STUDIES (pub. 2018) The following two studies are available: 1) Cause and effect - Inferences and generalisations. Based on Module 2. 2) "Scientific Models". Based on Module 3.	M2: \$ 20 M3: \$ 20	() ()
44	Ser1-Yr11-IS1	Module 1: Cause and Effect – Observing. Students carry out a range of activities to develop and evaluate questions and hypotheses. There is a common core and then two alternative tasks are given: Collecting and analysing primary and secondary data.	\$ 25	
45	Ser1-Yr11-IS2	Module 4: Theories and Laws. Students carry out a range of activities to develop an understanding of how theories and laws are developed and used in Science. There is a common core and then two alternative tasks are given: Collecting and assessing primary and secondary data.	\$ 25	
Transfer total to order form on reverse. Prices include GST.			SUBTOTAL E \$	

Order form / Tax invoice

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THIS FORM CAN BE FREEFAXED TO 1800 445 843

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Examinations and assessment tasks:

- are delivered by email
- are fully editable
- are reliable, accurate and reflect all current course requirements
- contain structures that reflect desired outcomes and marking bands
- are huge **time-savers**
- are **high quality** products
- have **sample answers** and clear marking guidelines.

QATs are an initiative of Curriculum Australia

Release dates

Trial/Year 11 exams

Available week beginning Monday, 22 June 2020

Note: Embargo period operates until August 28, 2020.

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QATs

Quality Assessment Tasks

Your complete Science needs for

- **Biology**
- **Physics**
- **Chemistry**
- **Investigating Science**

■ **HSC Trial Exams**

■ **Year 11 Exams**

■ **Assessment Tasks (Non-Exam)**

QATs

2020

Your Complete Assessment Needs

BIOLOGY

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - New for 2020				
1	TRBIO20	TRIAL EXAM. 3 hour paper. The Year 12 exam consists of four modules. Module 5: Heredity; Module 6: Genetic Change; Module 7: Infectious Disease; Module 8: Non-infectious Disease and Disorders	\$ 110	
2	YR11BIO20	YEAR 11 EXAM, 2 hour paper. The Year 11 exam consists of four modules. Module 1: Cells as the Basis of Life; Module 2: Organisation of Living Things; Module 3: Biological Diversity; Module 4: Ecosystem Dynamics	\$ 65	
HSC ASSESSMENT TASKS - Published 2019				
3	Ser1BIO1	Module 5: Heredity. Genetic variation and population patterns. Depth study: focus on research and data analysis including the identification of trends, patterns and relationships.	\$ 25	
4	Ser1BIO2	Module 6: Genetic Change. DNA and population change. Data analysis: focus on evaluation and interpretation of information and data.	\$ 25	
5	Ser1BIO3	Module 7: Infectious Disease. Treatment and control of infectious diseases. Depth study: focus on research, evaluation and interpreting data.	\$ 25	
6	Ser1BIO4	Module 8: Non-infectious Disease and Disorders. Epidemiology study. Case study: includes the evaluation of information and data and developing future directions for research.	\$ 25	
YEAR 11 ASSESSMENT TASKS - Published 2019				
7	Ser1Y11-BIO1	Module 1. Cells and basis of life. Practical Task: Students will: plan, choose equipment, perform a first-hand investigation and write a report.	\$ 25	
8	Ser1Y11-BIO2	Module 3. Biological diversity. Data analysis Task: Students will: demonstrate their ability to utilise secondary information to create graphs, analyse data and trends and draw conclusions in a complete report.	\$ 25	
9	Ser1Y11-BIO3	Module 4. Ecosystem dynamics. Research task and presentation: Students will carry out a research task on specific questions in an oral presentation no longer than 4 minutes, accompanied by a written submission that can be used to clarify the content.	\$ 25	
SUBTOTAL A \$				

SCIENCE PAST EXAMINATIONS - HSC and YEAR II - 2019

Item	Code	Task	Price (\$)	Order (✓)
10	TRBIO19	2019 HSC Trial Biology	\$ 40	
11	YR11BIO19	2019 Year 11 Biology	\$ 25	
12	TRCHEM19	2019 HSC Trial Chemistry	\$ 40	
13	YR11CHEM19	2019 Year 11 Chemistry	\$ 25	
14	TRIS19	2019 HSC Trial Investigating Science	\$ 40	
15	YR11IS19	2019 Year 11 Investigation Science	\$ 25	
16	TRPH19	2019 HSC Trial Physics	\$ 40	
17	YR11PH19	2019 Year 11 Physics	\$ 25	
SUBTOTAL B \$				

NOTE: All QATs can be edited and customised to suit the particular needs of students and schools.

PHYSICS

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - New for 2020				
18	TRPH20	TRIAL EXAM. 3 hour paper. The Year 12 exam consists of four modules. Module 5: Advanced Mechanics; Module 6: Electromagnetism; Module 7: The Nature of Light; Module 8: From the Universe to the Atom	\$ 110	
19	YR11PH20	YEAR 11 EXAM, 2 hour paper. The Year 11 exam consists of four modules. Module 1: Kinematics; Module 2: Dynamics; Module 3: Waves and Thermodynamics; Module 4: Electricity and Magnetism	\$ 65	
HSC ASSESSMENT TASKS - Published 2019				
20	Ser1PH1	Module 5: Advanced Mechanics. Motion of planets. Data analysis: leading to the formulation of relationships and trends.	\$ 25	
21	Ser1PH2	Module 6: Electromagnetism. Energy change and transformation. Data analysis.	\$ 25	
22	Ser1PH3	Module 7: The Nature of Light. Maxwell and light. Research task: allows for the analysis and evaluation of investigations.	\$ 25	
23	Ser1PH4	Module 7: The Nature of Light. Special Relativity. Depth study task: investigates how the behaviour of light affects the concepts of time, space and matter.	\$ 25	
24	Ser1PH5	Module 8: From the Universe to the Atom. The Big Bang. Research task: leading to the formulation of relationships and trends.	\$ 25	
YEAR 11 ASSESSMENT TASKS - Published 2019				
25	Ser1YR11-PH1	Module 1 & 2: Kinetics and Dynamics. Practical Task: "The Treasure Hunt" - application of vectors	\$ 25	
26	Ser1YR11-PH2	Module 3: Waves and thermodynamics. Practical / research task Simulation of waves in strings - velocities and harmonics using online apps.	\$ 25	
27	Ser1YR11-PH3	Module 4: Electricity and magnetism. Research magnetism in solenoids: making a solenoid and comparing strength of the magnetic field.	\$ 25	
SUBTOTAL C \$				

CHEMISTRY

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - New for 2020				
28	TRCH20	TRIAL EXAM. 3 hour paper. The Year 12 exam consists of four modules. Module 5: Equilibrium and Acid Reactions; Module 6: Acid/base Reactions; Module 7: Organic Chemistry; Module 8: Applying Chemical Ideas	\$ 110	
29	YR11CH20	YEAR 11 EXAM. 2 hour paper. The Year 11 exam consists of four modules. Module 1: Properties and Structure of Matter; Module 2: Introduction to Quantitative Chemistry; Module 3: Reactive Chemistry; Module 4: Drivers of Reactions	\$ 65	
HSC ASSESSMENT TASKS - Published 2019				
30	Ser1CH1	Module 5: Equilibrium and Acid Reactions Practical Task: Determining the solubility rules and predicting and analysing the composition of substances when two ionic solutions are mixed.	\$ 25	
31	Ser1CH2	Module 6: Acid/base Reactions Depth Study: Titrations. Preparation of primary and secondary standards using titrations, determining the acidity of vinegar and orange juice using titrations.	\$ 25	
32	Ser1CH3	Module 7: Organic Chemistry Research Task: Polymers. Modelling the formation of various polymers, and comparing their structure, properties and uses.	\$ 25	
33	Ser1CH4	Module 8: Applying Chemical Ideas Practical task: Qualitative tests and related questions.	\$ 25	
YEAR 11 ASSESSMENT TASKS - Published 2019				
34	Ser1Y11-CH1	Module 1. This is a practical task based on skills obtained during the course and with equipment and chemicals all schools should have. This practical task consists of several stations that a student should complete in 1 hour.	\$ 25	
35	Ser1Y11-CH2	Module 2. Data analysis based on <i>Working Scientifically</i> skills	\$ 25	
36	Ser1Y11-CH3	Module 3. Depth study.	\$ 25	
SUBTOTAL D \$				

See the QATs website at www.qats.com.au for writers' details.