

INVESTIGATING SCIENCE

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - Published 2019				
29	TRIS-19	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	
30	YR11IS-19	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				
31	Ser1-IS-1	Module 5: Scientific Investigations. Research Task: Observation leading to investigation and examination of data. Peptic ulcers.	\$ 25	
32	Ser1-IS-2	Module 6: Technologies. Practical Task: The impact of Technologies on investigations. Planning and conducting an investigation into the effect of temperature and reaction rate, and conducting an investigation to measure the effect of temperature on volume of gas.	\$ 25	
33	Ser1-IS-3	Module 7: Fact or Fallacy? Practical Task: Testing a claim. Plan and conduct an investigation to test a claim.	\$ 25	
34	Ser1-IS-4	Module 8: Science and Society. Depth Study: Earthquake-proofing Buildings. Researching the link between Newton's laws and earthquake proofing technology, building and testing an earthquake proof tower.	\$ 25	
YEAR 11 ASSESSMENT TASKS - Published 2019				
35	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.	\$ 20 \$ 20	() ()
36	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	
37	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 D \$	

Order form / Tax invoice

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THIS FORM CAN BE FREEFAXED TO 1800 445 843

Disclaimer. Every effort has been made to prepare QATs in accordance with New South Wales Education Standards Authority (NESA) documents. No guarantee or warranty is made or implied that the tasks mirror in every respect the actual assessment requirements in any or all courses to be examined. These tasks do not constitute 'advice', nor can they be construed as authoritative interpretations of Board of Studies intentions. No liability for any reliance, use or purpose related to the QATs is taken. Advice on assessment issues is only to be obtained from the Board of Studies. QATs do not accept any responsibility for accuracy of results once modified.

Examinations and assessment tasks:

- are delivered by email
- allow for electronic editing and modifying (for examinations)
- 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, 24 June 2019

Note: Embargo period operates until 28 September 2019.

* Assessment Tasks available progressively from November 18, 2018.

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- Examinations are distributed by email. **Trial and Year 11 exams** are subject to the following embargo period: Monday 24 June to Saturday 28 September 2019.

QATs

Quality Assessment Tasks

Your complete Science needs for

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

- **HSC Trial Exams**
- **Year 11 Exams**
- **Assessment Tasks**

ALL NEW

QATs

2019

Your Complete Assessment Needs

BIOLOGY

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - Published 2019				
1	TRBIO19	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	YR11BIO19	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 \$				

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

PHYSICS

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - Published 2019				
10	TRPH19	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	
11	YR11PH19	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				
12	Ser1PH1	Module 5: Advanced Mechanics. Motion of planets. Data and data analysis: leading to the formulation of relationships and trends.	\$ 25	
13	Ser1PH2	Module 6: Electromagnetism. Energy change and transformation. Data analysis.	\$ 25	
14	Ser1PH3	Module 7: The Nature of Light. Maxwell and light. Research task: allows for the analysis and evaluation of investigations.	\$ 25	
15	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	
16	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				
17	Ser1YR11-PH1	Module 1 & 2: Kinetics and Dynamics. Practical Task: "The Treasure Hunt" - application of vectors	\$ 25	
18	Ser1YR11-PH2	Module 3: Waves and thermodynamics. Simulation of waves in strings - velocities and harmonics using online apps.	\$ 25	
19	Ser1YR11-PH3	Module 4: Electricity and magnetism. Research magnetism in solenoids: making a solenoid and comparing strength of the magnetic field.	\$ 25	
SUBTOTAL B \$				

CHEMISTRY

Item	Code	Task	Price (\$)	Order (✓)
EXAMINATIONS - Published 2019				
20	TRCH19	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	
21	YR11CH19	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				
22	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	
23	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	
24	Ser1CH3	Module 7: Organic Chemistry Research Task: Polymers. Modelling the formation of various polymers, and comparing their structure, properties and uses.	\$ 25	
25	Ser1CH4	Module 8: Applying Chemical Ideas Depth Study: Fermentation of Ethanol. Plan and conduct an investigation to produce ethanol from biomass and analyse secondary sources to discuss the advantages and disadvantages of using this as a fuel.	\$ 25	
YEAR 11 ASSESSMENT TASKS - Published 2019				
26	Ser1Y11-Ch1	Module 1. This is a <i>practical task</i> 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	
27	Ser1Y11-Ch2	Module 2. Data analysis based on <i>Working Scientifically</i> skills	\$ 25	
28	Ser1Y11-Ch3	Module 3. Depth study. To be used as either an informal or formal assessment.	\$ 25	
SUBTOTAL C \$				

