

CHEMISTRY Year 11 Tasks				
24	Task 1	2023 - Practical + Skills Task (80 minutes total) Module 1: Properties and Structure of Matter. Use properties of matter to undertake a gravimetric analysis (40 minutes) and answer questions based on Working Scientifically skills (40 minutes). CH11-1 to CH11-4, CH11-7, CH11-8 <i>2023-CHE-NSW-Y11-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
25	Task 2	2023 - Depth Study + Report Module 3: Reactive Chemistry. Design and carry out first-hand investigations on rates of reactions and produce a scientific research report including their experimental findings. CH11-1 to CH11-7, CH11-9, CH11-10 <i>2023-CHE-NSW-Y11-T2-NON-QATS</i>	\$35	<input type="checkbox"/>
26	Task 3	2023 - Research Task Module 4: Drivers of Reaction. Explore biofuels and draw conclusions about their effectiveness as fossil fuel alternatives. CH11-4 to CH11-7, CH11-11 <i>2023-CHE-NSW-Y11-T3-NON-QATS</i>	\$30	<input type="checkbox"/>
27	N/A	2024 - YEAR 11 EXAMINATION (2 hour paper) NEW Whole course (four modules). <i>2024-CHE-NSW-Y11-NA-EX-QATS</i>	\$80	<input type="checkbox"/>
SUBTOTAL C				

INVESTIGATING SCIENCE HSC Tasks				
Item	Code	Description/Topic	Price (Inc. GST)	Order
28	Task 1	2023 - Research Task + In-Class Test (60 minutes) Module 5: Scientific Investigations. Conduct research into the work of Von Helmholtz and Priestley and complete an in-class test. INS12-2, INS12-3, INS12-7, INS12-12 <i>2023-ISC-NSW-Y12-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
29	Task 2	2023 - Practical Task (90 minutes) Module 6: Technologies. In-class practical assessment on rates of reaction and analyse data collected. INS12-3 to INS12-5, INS12-13 <i>2023-ISC-NSW-Y12-T2-NON-QATS</i>	\$30	<input type="checkbox"/>
30	Task 3	2023 - Formal Laboratory Report Module 7: Fact or Fallacy? Conduct a first-hand investigation to test a claim. Students then submit a formal laboratory report of their investigation. INS12-1 to INS12-4, INS12-14 <i>2023-ISC-NSW-Y12-T3-NON-QATS</i>	\$30	<input type="checkbox"/>
31	Task 4	2023 - Depth Study + In-Class Quiz (60 minutes) Module 8: Science and Society. Depth Study: Water treatment, including research and a practical component and complete an in-class quiz based on Depth Study. INS12-1, INS12-6, INS12-7, INS12-15 <i>2023-ISC-NSW-Y12-T4-NON-QATS</i>	\$35	<input type="checkbox"/>
32	N/A	2024 - TRIAL EXAMINATION (3 hour paper) NEW Whole course (four modules). <i>2024-ISC-NSW-Y12-NA-EX-QATS</i>	\$105	<input type="checkbox"/>

INVESTIGATING SCIENCE Year 11 Tasks				
33	Task 1	2023 - Research, Calculation + Data Analysis Task (50 minutes) Module 1: Cause and Effect – Observing. Two-part task. Both based on the concept of objects falling due to gravity and the equations associated with their movement. INS11-1, INS11-2, INS11-4 to INS11-6 <i>2023-ISC-NSW-Y11-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
34	Task 2	2023 - Research, Skill Application + Data Analysis Task (90 minutes) Module 2: Cause and Effect – Inferences and Generalisations. Two-part task. Both based on the use of soap as an aid to hygiene. INS11-1, INS11-2, INS11-4, INS11-9 <i>2023-ISC-NSW-Y11-T2-NON-QATS</i>	\$30	<input type="checkbox"/>
35	N/A	2024 - YEAR 11 EXAMINATION (2 hour paper) NEW Whole course (four modules). <i>2024-ISC-NSW-Y11-NA-EX-QATS</i>	\$80	<input type="checkbox"/>
SUBTOTAL D				
TOTAL = A + B + C + D				

Transfer total to order form on front page.
Prices include GST.



Powered by
Janison.

QATs IS AN INITIATIVE OF
CURRICULUM AUSTRALIA

2024 YR 11/HSC SCIENCE ASSESSMENTS

Biology - Physics - Chemistry - Investigating Science

HSC Trial Exams - Year 11 Exams - Assessment Tasks (Non-Exam) - Past Examinations

QATs Examinations and Non-Exam Assessment Tasks:

- save time for teachers, are **fully editable** and reflect current NESA requirements and syllabus
- contain comprehensive **NESA aligned marking guidelines** to ensure reliable and explicit feedback for students
- are developed by panels of highly experienced, practising teachers. All assessments undergo an extensive review and evaluation process to ensure **NESA compliance**, before being published.

Release Dates:

Non-Exam Assessment Tasks

Available now

HSC Trial/Year 11 Examinations

Monday 24 June, 2024

Note: Embargo period operates until 2 Sept, 2024 (HSC),
23 Sept, 2024 (Year 11).

Schools must ensure that papers are not released to students until after the embargoed period. Teachers may scrutinise papers with students during the embargoed period in a controlled session, such as a lesson. However, papers must be collected by the teacher at the end of the session.

PRINT

Contact Us:

Free Call 1800 445 963

Phone (03) 9428 2944

Email qatsadmin@janison.com

Web qats.com.au

ABN 35 081 897 494

Vendor ID: 0100009285 (Janison Solutions Corporate and QATs Only Account)

School Details: *Please send completed order form to qatsadmin@janison.com*

ABN 35 081 897 494

Name:

School/Institution:

Address:

Postcode:

Ordering Teacher Email:

School Finance Email:

Phone:

Total Amount Due (transfer from subtotals):

School Purchase Order Number:

ONL

By submitting this order form you agree to the QATs Terms and Conditions, and that the information that you provide to us will be used in accordance with the Janison Privacy Policy. If you are providing information about others, you confirm that you have their consent to do so.

Note: orders cannot be processed without school purchase order number.

Disclaimer. QATs delivers quality assessments that save educators and schools time and effort while providing assessments which are reliable, accurate and compliant with requirements specified by education authorities in each state/territory. 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. QATs does not accept any responsibility for accuracy of the task once modified.

BIOLOGY HSC Tasks				
Item	Code	Description/Topic	Price (Inc. GST)	Order
1	Task 1	2023 - Model Construction and Analysis + In-Class Questions (30 minutes) Module 5: Heredity. Section 1: Construction of a model of protein synthesis. Section 2: Structured questions to be answered in class. BIO12-4, BIO12-6, BIO12-7, BIO12-12 <i>2023-BIO-NSW-Y12-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
2	Task 2	2023 - Research Task + In-Class Questions (30 minutes) Module 6: Genetic Change. Research the work of Beadle and Tatum and evaluate their methodologies and complete in-class questions. BIO12-1, BIO12-2, BIO12-4, BIO12-5, BIO12-7, BIO12-13 <i>2023-BIO-NSW-Y12-T2-NON-QATS</i>	\$30	<input type="checkbox"/>
3	Task 3	2023 - First-Hand Investigation + In-Class Questions (30 minutes) Module 7: Infectious Disease. Design and conduct an experiment to determine the antibiotic resistance of a specific bacterium and complete in-class questions. BIO12-1 to BIO12-4, BIO12-6, BIO12-7, BIO12-14 <i>2023-BIO-NSW-Y12-T3-NON-QATS</i>	\$30	<input type="checkbox"/>
4	Task 4	2023 - Depth Study + In-Class Questions (30 minutes) Module 8: Non-Infectious Disease and Disorders. Revisit Modules 5 and 6 while focusing on Module 8. Construct a model of the mutation that causes a particular disorder and provide information. Complete in-class questions. BIO12-1, BIO12-3 to BIO12-7, BIO12-15 <i>2023-BIO-NSW-Y12-T4-NON-QATS</i>	\$35	<input type="checkbox"/>
5	N/A	2024 - TRIAL EXAMINATION (3 hour paper) NEW Whole course (four modules). <i>2024-BIO-NSW-Y12-NA-EX-QATS</i>	\$105	<input type="checkbox"/>

BIOLOGY Year 11 Tasks				
6	Task 1	2023 - Modelling Task - Narrated Video Module 1: Cells as the Basis of Life - Plasma Membrane. Create a 3D model of the plasma membrane and use it in a narrated stop motion animation. BIO11-4, BIO11-5, BIO11-7, BIO11-8 <i>2023-BIO-NSW-Y11-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
7	Task 2	2023 - Depth Study - Research Task + First-Hand Investigation Modules 1 and 2: Photosynthesis. Investigating Photosynthetic Pigments. Extraction of two photosynthetic pigments from the relevant plants/fruits/vegetables and measure their light absorbance/transmission. Section 1 involves an in-class practical investigation (60 minutes). BIO11-1 to BIO11-9 <i>2023-BIO-NSW-Y11-T2-NON-QATS</i>	\$35	<input type="checkbox"/>
8	Task 3	2023 - Research Task Module 3: Biological Diversity - Cane Toads in Australia. Write a textbook chapter about cane toads that includes their origin, characteristics, adaptations, and impact on ecosystems in Australia. BIO11-4, BIO11-5, BIO11-7, BIO11-10 <i>2023-BIO-NSW-Y11-T3-NON-QATS</i>	\$30	<input type="checkbox"/>
9	N/A	2024 - YEAR 11 EXAMINATION (2 hour paper) NEW Whole course (four modules). <i>2024-BIO-NSW-Y11-NA-EX-QATS</i>	\$80	<input type="checkbox"/>
SUBTOTAL A				

PHYSICS HSC Tasks				
Item	Code	Description/Topic	Price (Inc. GST)	Order
10	Task 1	2023 - Data Analysis Task (60 minutes) Modules 5 and 6: Advanced Mechanics and Electromagnetism. Data analysis of objects in fields and in-class test questions. Use mathematical skill to analyse data relating to various objects and their interactions with fields. PH12-5, PH12-6, PH12-12, PH12-13 <i>2023-PHS-NSW-Y12-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
11	Task 2	2023 - Practical Task (60 minutes) Module 7: The Nature of Light. Comparing wave models of light. Conduct a practical and analyse data to compare the different models of light. PH12-3, PH12-4, PH12-14 <i>2023-PHS-NSW-Y12-T2-NON-QATS</i>	\$30	<input type="checkbox"/>
12	Task 3	2023 - Depth Study Module 8: Cross-Modular Resource Creation Depth Study. Create a resource using content points from at least two modules. PH12-1, PH12-4, PH12-6, PH12-7, PH12-12 to PH12-15 <i>2023-PHS-NSW-Y12-T3-NON-QATS</i>	\$35	<input type="checkbox"/>

PHYSICS HSC Tasks				
Item	Code	Description/Topic	Price (Inc. GST)	Order
13	Task 4	2023 - Research + In-Class Task (40 minutes) Module 8: From the Universe to the Atom (Origins of the Universe). Research, access secondary sources and provide information on the origins of the universe. PH12-2, PH12-4, PH12-5, PH12-7, PH12-15 <i>2023-PHS-NSW-Y12-T4-NON-QATS</i>	\$30	<input type="checkbox"/>
14	N/A	2024 - TRIAL EXAMINATION (3 hour paper) NEW Whole course (four modules). <i>2024-PHS-NSW-Y12-NA-EX-QATS</i>	\$105	<input type="checkbox"/>

PHYSICS Year 11 Tasks				
15	Task 1	2023 - Depth Study Research + In-Class Test (30 minutes) Module 2: Dynamics. Tension forces. Research how a chosen product maintains static equilibrium and a net zero force. Conduct an experiment and analyse results. An in-class test is also undertaken. PH11-2 to PH11-7, PH11-9 <i>2023-PHS-NSW-Y11-T1-NON-QATS</i>	\$35	<input type="checkbox"/>
16	Task 2	2023 - Practical (55 minutes) Module 3: Waves and Thermodynamics. Superposition of waves. Research the properties of waves and how they behave, conduct an online-practical task and complete a series of in-class questions. PH11-1, PH11-3, PH11-4, PH11-6, PH11-7 <i>2023-PHS-NSW-Y11-T2-NON-QATS</i>	\$30	<input type="checkbox"/>
17	Task 3	2023 - Research + Data Analysis Task (55 minutes) Module 4: Electricity and Magnetism. Magnets. Conduct research using reliable sources to help complete a data analysis task testing students' understanding of magnetisation and how magnetic objects interact. PH11-4, PH11-5, PH11-7, PH11-11 <i>2023-PHS-NSW-Y11-T3-NON-QATS</i>	\$30	<input type="checkbox"/>
18	N/A	2024 - YEAR 11 EXAMINATION (2 hour paper) NEW Whole course (four modules). <i>2024-PHS-NSW-Y11-NA-EX-QATS</i>	\$80	<input type="checkbox"/>
SUBTOTAL B				

CHEMISTRY HSC Tasks				
Item	Code	Description/Topic	Price (Inc. GST)	Order
19	Task 1	2023 - Practical (60 minutes) Modules 5: Equilibrium and Acid Reactions. Solution Equilibria. An investigation to determine the solubility product of an ionic compound and predict whether it will form a precipitate using the standard reference values for K _{sp} . CH12-3, CH12-5, CH12-6, CH12-7, CH12-12 <i>2023-CHE-NSW-Y12-T1-NON-QATS</i>	\$30	<input type="checkbox"/>
20	Task 2	2023 - Depth Study Module 6: Acid/Base Reactions. A chemical analysis of a common household substance for its acidity or basicity. CH12-1 to CH12-3, CH12-5, CH12-7, CH12-13 <i>2023-CHE-NSW-Y12-T2-NON-QATS</i>	\$35	<input type="checkbox"/>
21	Task 3	2023 - Research + Practical Task (60 minutes) Module 7: Organic Chemistry. Research different homologous series of organic compounds and perform investigations to identify the different functional groups with correct justification and complete an in-class task. CH12-2 to CH12-7, CH12-14 <i>2023-CHE-NSW-Y12-T3-NON-QATS</i>	\$30	<input type="checkbox"/>
22	Task 4	2023 - Data Analysis In-Class Task (60 minutes) Module 8: Applying Chemical Ideas. In-class test on how to analyse the reactivity of organic molecules by using qualitative investigations and investigate processes used in analysing the structure of simple organic compounds. CH12-5, CH12-6, CH12-7, CH12-14, CH12-15 <i>2023-CHE-NSW-Y12-T4-NON-QATS</i>	\$30	<input type="checkbox"/>
23	N/A	2024 - TRIAL EXAMINATION (3 hour paper) NEW Whole course (four modules). <i>2024-CHE-NSW-Y12-NA-EX-QATS</i>	\$105	<input type="checkbox"/>

PAST EXAMINATION PAPERS:

Please visit the QATs website qats.com.au for a separate brochure on previous years' examinations for purchase.

Email order form to qatsadmin@janison.com

Continued over ...