

Chemistry (Replacement text for pages 90-93)**12.5 Assessment Components, Weightings and Tasks****Preliminary Course**

The suggested components, weightings and tasks for the Preliminary course are detailed below.

Component	Weighting	Tasks may include:
Knowledge and understanding of: <ul style="list-style-type: none"> the history, nature, and practice of chemistry, applications and uses of chemistry and their implications for society and the environment, and current issues, research and developments in chemistry atomic structure and periodic table, energy, chemical reactions, carbon chemistry and stoichiometry 	40	<i>Assignments</i> <i>Fieldwork</i> <i>Model making</i> <i>Open-ended investigations</i> <i>Oral reports</i> <i>Practical tests</i> <i>Reports</i> <i>Research projects</i> <i>Topic tests and examinations</i>
Skills in planning and conducting first-hand investigations and in communicating information and understanding based on these investigations	30	
Skills in scientific thinking, problem-solving, and in communicating understanding and conclusions	30	
Total	100	

One task may be used to assess several components. It is suggested that 3–5 tasks are sufficient to assess the Preliminary course outcomes.

HSC Course

The internal assessment mark for Chemistry Stage 6 is to be based on the HSC course only. Final assessment should be based on a range and balance of assessment instruments.

Component	Weighting	Tasks may include:
Knowledge and understanding of: <ul style="list-style-type: none"> the history, nature, and practice of chemistry, applications and uses of chemistry and their implications for society and the environment, and current issues, research and developments in chemistry atomic structure and periodic table, energy, chemical reactions, carbon chemistry and stoichiometry 	40	<i>Assignments</i> <i>Fieldwork</i> <i>Model making</i> <i>Open-ended investigations</i> <i>Oral reports</i> <i>Practical tests</i> <i>Reports</i> <i>Research projects</i> <i>Topic tests and examinations</i> Note: No more than 50% weighting may be allocated to examinations and topic tests.
Skills in planning and conducting first-hand investigations and in communicating information and understanding based on these investigations	30	Assessment of knowledge, understanding and skills developed through conducting first-hand investigations individually and in teams, should be incorporated into the Core and Option as appropriate.
Skills in scientific thinking, problem-solving, and in communicating understanding and conclusions	30	
Total	100	

One task may be used to assess several components. It is suggested that 3–5 tasks are sufficient to assess the HSC course outcomes.

12.6 HSC External Examination Specifications

Section I: Core (75 marks)

Part A (15 marks)

- There will be FIFTEEN multiple-choice questions.
- All questions will be compulsory.
- All questions will be of equal value.
- Questions will be based on the HSC Core Modules 9.2–9.4.
- There will be approximately equal weighting given to each HSC Core Module 9.2–9.4.
- Questions focusing on Core Module 9.1 will be incorporated into Part A.

Part B (60 marks)

- Short-answer questions.
- All questions will be compulsory.
- Question parts will be up to 8 marks.
- Questions will be based on the HSC Core Modules 9.2–9.4.
- There will be approximately equal weighting given to each HSC Core Module 9.2–9.4.
- Questions/question parts focusing on Core Module 9.1 will be incorporated into Part B.

Section II: Options (25 marks)

- There will be FIVE questions: one on each of the FIVE HSC options.
- Candidates must attempt ONE question.
- All questions will be of equal value.
- Each question will consist of several parts.
- Question parts will be up to 8 marks.
- Question part(s) focusing on Core Module 9.1 will be incorporated into each option question.

HSC options list

- Industrial Chemistry
- Shipwrecks, Corrosion and Conservation
- The Biochemistry of Movement
- The Chemistry of Art
- Forensic Chemistry

12.7 Summary of Internal and External Assessment

Internal Assessment	Weighting	External Assessment	Weighting
Knowledge and understanding	40	A written examination paper consisting of:	75
First-hand investigations	30	Core Modules <i>Multiple-choice questions</i> <i>Short-answer questions</i>	
Scientific thinking, problem-solving and communication	30	Options <i>Short-answer part-questions</i>	25
<i>Note: Assessment of knowledge, understanding, and skills developed through conducting first-hand investigations individually and in teams should be incorporated into the Core and Option as appropriate.</i>		Questions/question parts focusing on Core Module 9.1 will be incorporated into both the Core and Options sections of the paper.	
Marks	100	Marks	100