

Chemistry (HKDSE)

MODE OF ASSESSMENT

The public assessment of Chemistry consists of a public examination component and a school-based assessment component as outlined in the following table:

Component		Weighting	Duration
Public Examination	Paper 1 Compulsory part of the curriculum	60%	2 hours 30 minutes
	Paper 2 Elective part of the curriculum	20%	1 hour
School-based Assessment (SBA)		20%	

PUBLIC EXAMINATION

Paper 1 comprises two sections: A and B. Section A consists of multiple-choice questions and carries 18% of the subject mark. Section B includes short questions, structured questions and essay questions, and carries 42% of the subject mark. In each of the sections A and B, Part I will set questions mainly on topics I to VIII of the curriculum, while Part II mainly on topics IX to XII. Candidates have to attempt **all** questions in this paper.

Paper 2 consists of structured questions and carries 20% of the subject mark. Candidates are required to answer the questions on the 2 electives selected.

Compulsory Part (Total 182 hours)

- I. Planet earth* (6 hours)
- II. Microscopic world I* (21 hours)
- III. Metals* (22 hours)
- IV. Acids and bases* (25 hours)
- V. Fossil fuels and carbon compounds* (18 hours)
- VI. Microscopic world II (8 hours)
- VII. Redox reactions, chemical cells and electrolysis* (23 hours)
- VIII. Chemical reactions and energy* (7 hours)
- IX. Rate of reaction (9 hours)
- X. Chemical equilibrium (10 hours)
- XI. Chemistry of carbon compounds (25 hours)
- XII. Patterns in the chemical world (8 hours)

Elective Part (Total 48 hours, select any 2 out of 3)

- XIII. Industrial chemistry (24 hours)
- XIV. Materials chemistry (24 hours)
- XV. Analytical chemistry (24 hours)

Investigative Study (20 hours)

- XVI. Investigative study in chemistry

** These topics are included in the chemistry part of Combined Science Curriculum.*

SCHOOL-BASED ASSESSMENT (SBA)

School-based assessment (SBA) is compulsory for **all** school candidates. Candidates will be assessed by their teachers on their performance of a wide range of skills involved in practical work throughout S5 and S6. Candidates are required to perform a stipulated amount of practical work, which may include designing experiments, reporting and interpreting experimental results, etc. The work should be integrated closely with the curriculum and form a part of the normal learning and teaching process. Apart from these, candidates may also be required to design and conduct a group-based experimental investigative study with a view to solving an authentic problem. They are expected to make use of their knowledge and understanding of chemistry in performing such an investigative study, through which their generic skills, practical skills, process skills and reporting skills, etc. would be developed and assessed.

The table below summarises the minimum numbers of assessments and the weightings in subject required in S5 and S6 for the SBA:

	Minimum number of assessments*	Weighting in subject
S5	2	10%
S6	2	10%

* Over the two years of S5 and S6, there should be at least one assessment for Volumetric Analysis (VA), one assessment for Qualitative Analysis (QA) and two assessments for Other Experiments (EXPT).

* Investigative Study (IS) can be done in lieu of Other Experiments (EXPT). In this case, one assessment on 'proposal' and one assessment on 'process and report' should be performed. These two assessments can satisfy the minimum requirement for Other Experiments (EXPT).