

# HKDSE CHEMISTRY

## Curriculum

### Aims:

- develop interest and maintain a sense of wonder and curiosity about chemistry;
- construct and apply knowledge of chemistry, and appreciate the relationship between chemistry and other disciplines;
- appreciate and understand the evolutionary nature of science;
- develop skills for making scientific inquiries;
- develop the ability to think scientifically, critically and creatively, and solve problems individually and collaboratively in chemistry-related contexts;
- discuss science-related issues using the language of chemistry;
- make informed decisions and judgements on chemistry-related issues;
- develop open-mindedness, objectivity and pro-activeness;
- show appropriate awareness of working safely;
- understand and evaluate the social, ethical, economic, environmental and technological implications of chemistry, and develop an attitude of responsible citizenship.

### Curriculum Framework

#### Compulsory Part

- I. Planet earth
- II. Microscopic world I
- III. Metals
- IV. Acids and bases
- V. Fossil fuels and carbon compounds
- VI. Microscopic world II
- VII. Redox reactions, chemical cells and electrolysis
- VIII. Chemical reactions and energy
- IX. Rate of reaction
- X. Chemical equilibrium
- XI. Chemistry of carbon compounds
- XII. Patterns in the chemical world

#### Elective Part

- XIII. Industrial chemistry
- XIV. Materials chemistry
- XV. Analytical chemistry

## Assessments

### HKDSE

	Content	Weight
Public Examination	Paper I: Core Part	60%
	Paper II: Elective part (a choice of two out of three elective topics)	20%
SBA	Practical related tasks	20%

## Internal

	Content	Weight
Test mark	Class work, experiments and home assignments	30% of test mark
	Tests	70% of test mark
Exam mark	Assignments, class work and experiments	15% of examination mark
	Tests	15% of examination mark
	Written Examination	70% of examination mark

## **Learning Activities**



**Science Quiz**