

School Subjects Introduction

Chemistry

I. Aims

The overarching aim of the Senior Secondary Chemistry Curriculum is to provide chemistry-related learning experiences for students to develop scientific literacy, so that they can participate actively in our rapidly changing knowledge-based society, prepare for further studies or careers in fields related to chemistry, and become life-long learners in science and technology.

II. Curriculum Structure

The curriculum will consist of compulsory and elective parts. The compulsory part will cover a range of content that enables students to develop an understanding of fundamental chemistry principles and concepts, and the scientific process skills.

As to cater for the diverse interests, abilities and needs of students, an elective part will be included in the curriculum. The elective part aims to provide an in-depth treatment of some of the compulsory topics, or an extension of certain areas of study.

Compulsory part

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

Elective part

- I. Industrial chemistry
- II. Materials chemistry
- III. Analytical chemistry



III. Assessment

Component	Outline	Weighting	Duration
Public Examination	Paper I Compulsory Part	60 %	2.5 hours
	Paper II Elective Part (2 out of 3)	20 %	1 hour
SBA	Practical related tasks	20 %	--