

Chemistry10 (Pre-IB)

Time: 9 x 35 minutes per week

Course Description:

The Chemistry Curriculum for Grade 10 Pre-IB is a comprehensive and balanced programme which prepares students for the IBDP Chemistry syllabus. The aim is to enable students to better understand the technological world in which they live and take an informed interest in science and scientific developments. Students learn the basic principles of Chemistry through a mix of theoretical and practical studies and develop an understanding of the scientific skills essential for further study.

Resources:

**Harwood, R., Lodge, I., (3rd ed.) (2010), Cambridge IGCSE Chemistry Coursebook, Cambridge University Press, United Kingdom
Chemistry Matters GCE O Level Workbook (2 Edition)**

Main Topics Covered:

Semester 1

- The particulate nature of matter
- Experimental techniques
- Atoms, elements and compounds
- The periodic table
- Chemical changes
- Acids, bases and salts
- Carbonates
- Chemical calculation
- Chemical reactions
- Nitrogen and sulphur

Semester 2

- Redox reactions
- Electrochemistry
- Metals
- Air and water
- Organic chemistry
- Qualitative analysis
- Past paper Revision for IGCSE exam

Assessment

Internal Assessment	Weighting
<ul style="list-style-type: none"> • End of Semester Examinations (SA1 + SA2) • Continual Assessment (CA1 + CA2 + CA3) including: <ul style="list-style-type: none"> - Topic tests - Assignments - Alternative to Practical Test <p>NB.Reports are issued at the end of quarters 1 and 2 and early in quarter 4.</p>	<p>25 + 60 5 + 5 + 5</p>
	100