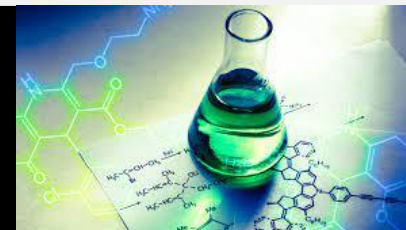


# IB Diploma Chemistry



Chemistry is the scientific discipline involved with elements and compounds composed of atoms, molecules and ions: their composition, structure, properties, behaviour and the changes they undergo during a reaction with other substances. In the scope of its subject, chemistry occupies an intermediate position between physics and biology. It is sometimes called the central science because it provides a foundation for understanding both basic and applied scientific disciplines at a fundamental level.

## Curriculum

Term	1	2	3	4	5	6
Year 12	Stoichiometric relationships Atomic structure	Periodicity Bonding & structure	Energetics and thermochemistry	Chemical kinetics & equilibrium	Acids and bases	Measurement and data processing and analysis and IA
Year 13	Redox processes	Organic chemistry	Option	Exam preparation	IB exams	

## Assessment

Higher Level	Paper 1 1 hour	Paper 2 2¼ Hours	Paper 3 1¼ Hours	Internal assessment 20%
Standard Level	Paper 1 45 minutes	Paper 2 1 Hour	Paper 3 1 hour	Internal assessment 20%

## Entry requirements

GCSE English, Maths and Chemistry (or double science) at grade 5 or above.

## What to expect

Academic study with the acquisition of practical and investigative skills. Students have opportunities to design investigations, collect data, develop manipulative skills, analyse results, collaborate with peers and evaluate and communicate their findings.

## Recommended reading

Chemistry for the IB Diploma Higher Level: by Catrin Brown, Mike Ford