

Group 4

CHEMISTRY

The International Baccalaureate Programme offers two levels of chemistry education: the foundational Standard Level (SL) with 4 hours of weekly instruction, and the more comprehensive Higher Level (HL) with 6 hours of weekly instruction. Both courses cover various essential topics in chemistry, including atomic structure, chemical bonding, redox reactions, chemical kinetics and equilibrium, organic chemistry, and instrumental analysis of chemical compounds and mixtures. These theoretical concepts are complemented by hands-on laboratory experiments.

Our school boasts a professionally equipped chemistry laboratory, allowing students to actively engage in experiments. These experiments are an integral part of the program and contribute to the Internal Assessment practical, the baccalaureate research project known as the Individual Investigation, and the interdisciplinary Collaborative Sciences Project. This collaborative project involves students from diverse fields, including Biology, Physics, and Computer Science.

It's noteworthy that a significant proportion of IB graduates who have pursued Baccalaureate Chemistry HL have gone on to study medicine at both domestic and international universities. If you aspire to explore chemical properties by conducting experiments on substances like aspirin and paracetamol, delve into the kinetics of the Landolt reaction, or quantitatively determine the iron content in spinach using spectrophotometry, the Chemistry subject within the International Baccalaureate programme provides an exceptional opportunity to do so.