



PC

Preliminary Chemistry

2025 Holiday Course

TOPICS

PC 2025 Preliminary Holiday Course

Summer School Holidays - 2025

Chemical Skills

Properties & Structure of Matter 1 - Separation Techniques

Properties & Structure of Matter 2 - Nuclear Chemistry

Properties & Structure of Matter 3 - Electron Configuration

Properties & Structure of Matter 4 - Chemical Trends

Properties & Structure of Matter 5 - Bonding

Properties & Structure of Matter 6 - Intermolecular & Intramolecular Bonds

Introduction to Quantitative Chemistry 1 - The Mole

Introduction to Quantitative Chemistry 2 - Mass & Stoichiometry

Intu Term 1, Exam 2025 & Review (can be sat during Term) & Tutorials in Term 1

Autumn School Holidays - 2025

Introduction to Quantitative Chemistry 3 - Concentration

Introduction to Quantitative Chemistry 4 - Ideal Gas Law

Introduction to Quantitative Chemistry 5 - Applications

Reactive Chemistry 1 - Chemical Reactions

Reactive Chemistry 2 - Metal Reactions

Reactive Chemistry 3 - Redox & Galvanic Cells

Reactive Chemistry 4 - Collision Theory

Intu Term 2, Exam 2025 & Review (can be sat during Term) & Tutorials in Term 2

Winter School Holidays - 2025

Drivers of Reactions 1 - Enthalpy

Drivers of Reactions 2 - Hess' Law & Standard Enthalpy

Drivers of Reactions 3 - Entropy & Gibbs Free Energy

Drivers of Reactions 4 - Analysing Reactions

Preliminary Course Revision

Scientific Investigations

Practical Tasks

Intu Term 3, Exam 2025 & Review (can be sat during Term) & Tutorials in Term 3

Spring School Holidays - 2025 (HSC Course)

Equilibrium and Acid Reactions 1 - Equilibrium Systems

Equilibrium and Acid Reactions 2 - Le Chatelier's Principle

Equilibrium and Acid Reactions 3 - Equilibrium Constant

Equilibrium and Acid Reactions 4 - Solubility

Equilibrium and Acid Reactions 5 - Acids in Solution

Equilibrium and Acid Reactions 6 - Quantitative Methods

Working Scientifically

Intu Term 4, Exam 2025 & Review (can be sat during Term) & Tutorials in Term 4