



A Level Chemistry at RPS



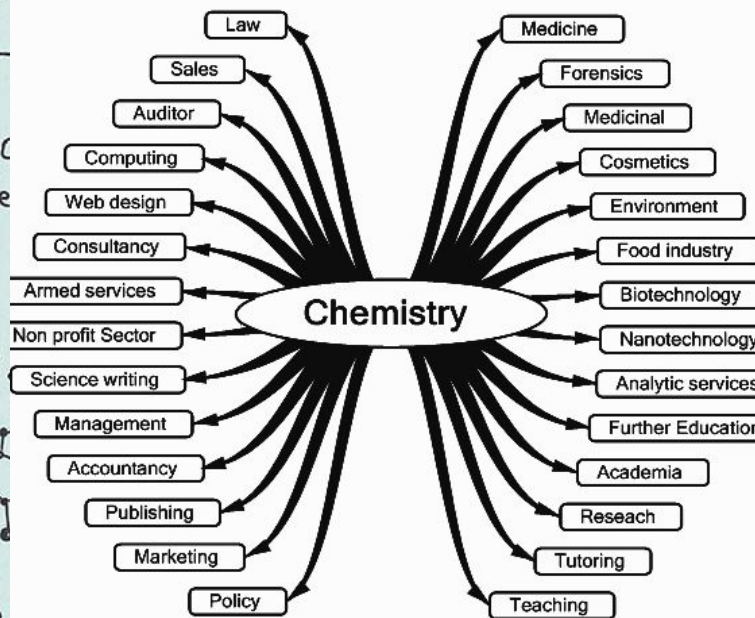
Why study Chemistry?

One of the most **respected** and **impressive** A-Levels to have, in both science and non-science related careers.

Chemistry plays a role in almost every action on earth, in every object we touch. If you're interested in **understanding, contributing to and improving the world around you**, then Chemistry will open doors you may not have even thought of.

Great opportunity to develop your **logic, problem-solving, numeracy and creativity**, whilst preparing you for the most challenging and competitive degrees and careers.

Chemists are 15% **more likely to be employed** than other careers (and they're **paid more** too!). Over 70% will enter a **professional** career.



Entry requirements

Minimum of GCSE grade 6 in Chemistry
or

Minimum of GCSE grade 6,6 in Combined
Science

Minimum of GCSE grade 6 in Maths
&

Minimum of GCSE grade 5 in English
Language

What do we expect of you?

Organised - keep on top of your notes.

Motivated to **study outside of lessons**.

Ask for help when you need it.

Revise for every test as if it counts towards your final grade - it's the only way to make progress.

Resilient - Chemistry is not easy and you won't always hit your target grade on the first go at a topic.

In it for the long haul - **it will take the whole 2 years of hard work**, to get to the grade you'd like.

But it is so worth it!

Helena Budarkiewicz

Head of Chemistry

h.budarkiewicz@roundwoodpark.co.uk





A Level Course Structure



Exam Board: OCR

Course: A Level Chemistry A

Course code: H432

Assessment

Paper 1: **37% of A Level**

Periodic table, elements,
physical chemistry

Paper 2: **37% of A Level**

Organic synthesis and
Analytical techniques

Paper 3: **26% of A Level**

Unified chemistry
(content from all modules)

Section 4:

Practical endorsement
(PAGs) **non-exam
component**

Course content

Module 1 - Development of practical skills in Chemistry

In written examinations and in
PAGs

Module 3 - Periodic table and energy

Periodicity, groups 2 & 7,
qualitative analysis, enthalpy
changes, rates, equilibria

Module 5 - Physical Chemistry and transition elements

Rates, equilibria, pH & buffers,
enthalpy, entropy, redox,
transition elements

Module 2 - Foundations in Chemistry

Atoms, compounds, equations,
Amounts of substance,
acid-base and redox reactions,
electrons and bonding

Module 4 - Core organic Chemistry

Hydrocarbons, alcohols,
haloalkanes, organic synthesis,
analytical techniques

Module 6 - Organic chemistry & analysis

aromatic/carbonyl/nitrogen
compounds, polymers,
synthesis, advanced analytical
techniques