

2024 ENTRY

A LEVEL

Chemistry

A highly successful department with committed tutors to help you to achieve the highest grade possible

Take part in regular practical sessions to help you develop your lab techniques and evaluative skills

Opportunities to take part in ChemSoc activities and competitions

YOU WILL STUDY

- **Inorganic and Physical Chemistry** e.g. how to calculate the pH of solutions and how storage and fuel cells work.
- **Organic Chemistry** e.g. how to synthesise organic molecules and the study of their functional groups and how they react.
- **Analytical Chemistry** e.g. how chemists use infra-red spectroscopy to work out which functional groups are in the molecules

FACILITIES

- A full range of titration apparatus
- Melting point machines
- TLC plates
- A range of Quickfit glassware
- Reflux apparatus
- Distillation apparatus
- Reduced pressure filtration
- Separating funnels
- Rotary evaporator

ASSESSMENTS

Three examinations at the end of year two. You will also complete a range of practical tasks during the two years for which you will be awarded a practical endorsement, which will supplement your A Level certificate

SUPPORTING YOU

- One-to-one support
- Regular tutorials to develop what you have learnt in lessons
- High Achievers+ activities

PROGRESSION

As well as being an important subject in its own right, Chemistry is an essential requirement for medicine, dentistry, and veterinary science. Many students progress to a range of degree courses at various universities including the prestigious Russell Group.

Imagine what you can become

Chemist → Medicinal Chemist → Pharmacist

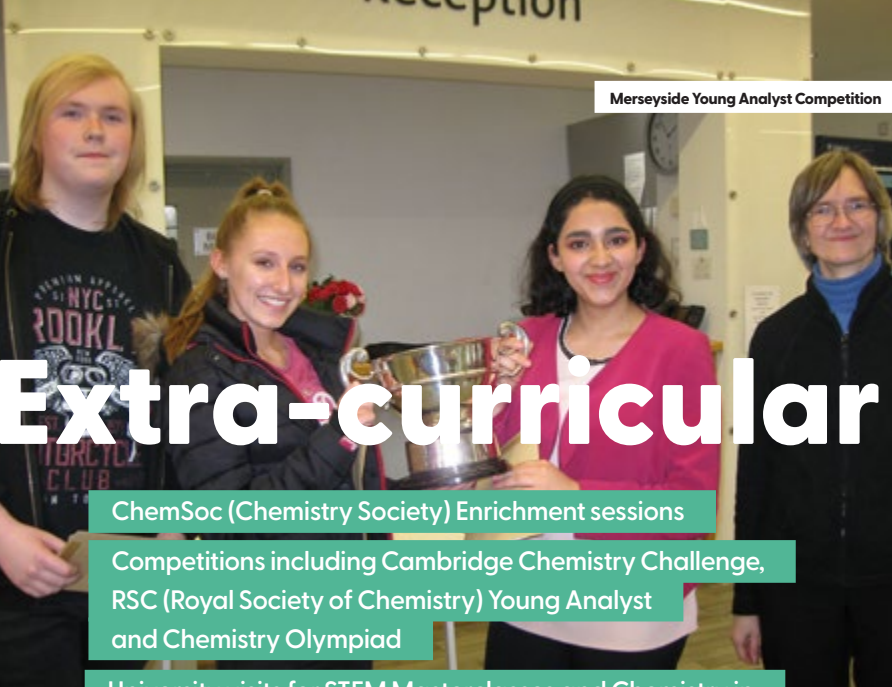
Chemical Engineer → Doctor

Biochemist → Environmental Scientist

Dentist → Lawyer → Accountant



CHEMISTRY



Merseyside Young Analyst Competition

Extra-curricular

ChemSoc (Chemistry Society) Enrichment sessions

Competitions including Cambridge Chemistry Challenge, RSC (Royal Society of Chemistry) Young Analyst and Chemistry Olympiad

University visits for STEM Masterclasses and Chemistry in Action study days



Cambridge Challenge

2023 RESULTS

A* - B 60% A* - C 81%

SCAN HERE



FOR FULL COURSE DETAILS

EXAM BOARD

OCR (Specification A)



My Experience

“I’ve really enjoyed studying A Level Chemistry at Carmel. I’ve found the course content highly interesting and I have built my understanding of the subject from GCSE. The standard of teaching has been consistently high, ensuring that I come out of my lessons satisfied that I understand the content.

There are also lots of opportunities to ask for help e.g. Chemistry Clinic, where students can ask for help from an available tutor whilst studying. The teachers are always available and happy to help you.”



Elisha Ainsworth

RAINHILL HIGH SCHOOL
CHEMISTRY, BIOLOGY,
ENGLISH LITERATURE