

# VCE Chemistry

---



**Seymour**  
College

## Chemistry – What even is stuff?

- What is everything made of?
- Why is water so amazing?
- What are atoms?
- What makes elements different from each other?
- How are chemical reactions important for everyday life?

# Course Overview

## Unit 1 – How can the diversity of materials be explained?

*Periodic table, chemical bonding, types of elements + **independent study***

## Unit 2 – What makes water such a unique chemical?

*Solutions, acids and bases, redox reactions, analysis of samples + **practical investigation***

## Unit 3 – How can chemical processes be designed to optimize efficiency?

*Fuels, combustion, electrochemistry, equilibrium*

## Unit 4 – How are organic compounds categorised, analysed and used?

*Categorising molecules, properties of molecules, analysis of compounds, food chemistry + **practical investigation***

## Pathways

- Chemical Research
- Health Sciences – nursing & midwifery, medicine, pharmacy, allied health.
- Education
- Chemical Engineering
- Aviation
- Food Chemistry
- Pharmacy/Drug Design
- Environmental Monitoring
- Forensic Science
- Waste management
- Metallurgy

## Sound good?

- Chemistry is difficult but rewarding.
- To succeed in this subject you will need to:
  - Work hard.
  - Have a good understanding of simple mathematics.
  - Complete significant independent study.
  - Participate in class discussions & practical activities.
- Come and talk to Ms Ward or Mr Garcia for more information about this excellent field of Science!