



# Chemistry

## Description

*Year 10 Chemistry provides an opportunity for students to develop an introduction in preparation for VCE Chemistry. The study covers a variety of topics including; writing and balancing chemical equations, acids and bases, neutralisation reactions, titrations and naming hydrocarbons, polymers, factors affecting reaction rates and nanotechnology. Students are expected to complete a range of practical reports to assist in understanding of the concepts.*

## Unit Topics

- Chemical Equations
- Chemical Reactions
- Nanotechnology
- Polymers
- Hydrocarbons

## Skill Development

*Science inquiry skills, such as questioning, predicting, planning, conducting, recording, analysing, evaluating and communicating.*

## Possible Assessment Tasks

*Practical investigations, research tasks, test and assignments.*

## Activities/Camps/Excursions

*Practical investigations*

## Career Options

*Chemistry leads to a wide range of careers; including (but not limited to) agriculture, agronomist, biochemistry, botany, food technology, laboratory work, metallurgy, microbiology, nursing, medical practitioner, pharmacy, toxicology, veterinary studies, wine making, forensic scientist, dietician, natural resources and sports science.*