



# Core Science

## Description

*In Year 10 science students focus on relating knowledge gained to the world around them. Students explore the biological, chemical, geological and physical evidence for different theories.*

## Unit Topics

*Atomic theory is developed to understand relationships within the periodic table. Physical laws are applied to study the relationship between motion and forces. During the climate change unit, relationships between aspects of the living, physical and chemical world are applied to systems on a local and global scale: this enables students to predict how changes will affect equilibrium within these systems.*

## Skill Development

- *Recognising incomplete data*
- *Analysing data*
- *Applying knowledge to real world scenarios*

## Possible Assessment Tasks

*Carbon atom journey, coursebook questions, failed structure assignment.*

## Activities

*Experiments/pracs, class discussion, readings, assignments, modelling climate.*

## Career Options

*Year 10 Core Science provides essential skills for further science studies in VCE in Chemistry, Physics and Biology. It also provides underpinning knowledge for a number of technology subjects and various trades. A pass in Year 10 Core Science is a pre-requisite for acceptance in the Armed Forces.*