



Semester 1 Course Overview

Faculty: Science
Subject: Science in practice
Year level: 10

Course Outline

The Australian Curriculum: Science has three core topics: *Scientific literacy and working scientifically, workplace health and safety and communication and self-management.*

Together, the three core topics of the science curriculum provide students with understanding, knowledge and skills through which they can develop a scientific view of the world. Students are challenged to explore science, its concepts, nature and uses through clearly described inquiry processes across a range of elective areas; science for the workplace, resources, energy and sustainability, health and lifestyles, environments and discovery and change.

Term 1	Term 2
MythBusters	Ancient Weapons
In this unit students explore the process of fair testing and its importance to producing accurate results. The fair testing process will be used identify a myth and create an experiment to identify if it is plausible or not.	In this unit students explore how weapons have been used in every culture around the world as a show of strength and a way to advance civilisations. Students will examine the different ancient weapons that have been used from biological weapons through to early mechanical and explosive devises. Students will study the forces and energy conversions behind the weapons, and the effect these weapons have on the human body.
Assessment	
Task 1 – Investigation – MythBusters	Task 2 – Extended response – The human body

Literacy requirements:

This unit provides opportunities for students to engage in the Australian Curriculum Content and build upon the literacy skills of:

- using technical and specific terms for concepts and features of the world,
- presenting scientific information in the form of diagrams, flow charts, tables and graphs,
- comprehending and composing texts, including those that provide information, describe events and phenomena, recount experiments, present and evaluate data, give explanations and present opinions or claims.

Numeracy requirements:

This unit provides opportunities for students to engage in the Australian Curriculum Content and build upon the numeracy skills of:

- collecting, representing and interpreting data from investigations.
- Use of formal units to provide accurate results in measuring and testing across a range of science topics.