



YEAR 9

Maths – Mr. McKeiver

During this term students will:

- Build upon understanding of:
 - Scientific notation and significant numbers
 - Area, volume and capacity
 - Types of Angles
 - Congruence in triangles

- Develop skills in:
 - Using formulas to calculate areas of composite shapes
 - Using formulas to calculate volume and capacity
 - Define types of angles
 - Calculating unknown angles

Science - Mr Collins

Ecosystems (weeks 1-5)

Students will investigate how biotic and abiotic factors on the environment affect survival of organisms. The ways in which human activity has impacted on ecosystems and the sustainability of those ecosystems will be evaluated from different viewpoints.

Students will:

- Describe the difference between biotic and abiotic factors in an ecosystem
- Understand energy flow through ecosystems
- Distinguish between a food chain and a food web

Plate Tectonics (weeks 6-9)

The Earth is dynamic, changes on its surface can be linked to the structure of the Earth itself. Convection currents set up by the Earth’s mantle lead to phenomena such as continental drift, seafloor spreading, folding and faulting, mountain formation and geomorphic hazards like earthquakes, volcanoes and tsunamis. Scientists use evidence such as fossils, mineral distributions, rock sequencing and seismic data to create models that allow them to explain and predict future changes.

Students will:

- Understand the different layers of the earth
- Identify where convection currents occur in the earth

English – Mr Neville

Language Study

Students will complete grammar and spelling worksheets provided focusing on common grammar errors, homophones, silent letters, prefixes and suffixes

Novel Study – “Stone Cold” by Robert Swindells

Students will read the novel *Stone Cold* and answer the reflection questions in the study guide provided.

Narratives/Short Stories

Relationships in Narratives

Students will read and compare a range of narrative texts and discuss the different techniques that writers use to create an effective narrative. They will plan and write a narrative text, in response to a given stimulus.

HASS – Mrs Laien

Civics and Citizenship (Week 1-6)

This term, students will explore Papua New Guinea’s pre and post-independence, the rights of citizens, the government, leaders “Code of Ethics” and Law and Order.

Students will:

- discuss and describe the political systems of Papua New Guinea
- assess Papua New Guinea’s economic development since political
- assess the impact of independence on the government’s provision of services
- discuss and assess how Papua New Guinea is independent, yet dependent

Geography – People and Places in PNG (Week 7-9)

In this unit, students will discover how people relate to others and their environment and how they organize themselves and use their resources.

Students will:

- demonstrate a range of mapping skills
- apply geographic skills to describe the physical surrounding you live in
- demonstrate an understanding of physical characteristics of places in the Pacific.