

# ACADEMIC PROGRAMS

## Semester I

### Year 11 Physics

#### Disclaimer

Under QSA guidelines summative assessment depends on the fullest and latest information on a student's performance, based on a process of continuous assessment. This gives a stability to teacher judgments and shows how students progress. Thus formative assessment informs the end-of-course summative judgment.

And

Unless otherwise specified Year 11 Assessment is Formative and Year 12 Assessment is Summative.

# FAIRHOLME SCIENCE DEPARTMENT

**Course:** Grade 11 Physics

**Outline:** SEMESTER 1, 2017

## Introduction:

### Term One

- 1. Physics on the Road

Graphical analysis of the motion of vehicles is introduced. Equations of motion are derived and applied. Some particular applications such as air resistance and skidding are considered in more detail.

Pearson Chapters 2, 3, 4, 5, 8, 9

### Term Two

- 2. Electronics

Basic DC circuit theory, Ohm's and Kirchoff's Laws will be introduced. Software circuit simulations will be investigated in conjunction with a mathematical analysis of DC circuits. The behaviour of a particular electronic component will be investigated in the assessment task.

Pearson Chapters 8 and One Note

## Assessment Summary:

### Term One - ...

Week	Date	Assessment Task
Week 9	Assessment Block	Task 1 – SA (Written Exam 2 Hours)

### Term Two – ...

Week	Date	Assessment Task
Week 7	Due May 29 <sup>th</sup> (Pre-Assessment Block)	Task 2 – EEI (Extended Experimental Investigation)

