

ACADEMIC PROGRAMS

Semester I

Year 11

Mathematics B

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 MATHEMATICS DEPARTMENT

Course: YEAR 11 MATHEMATICS B

Outline: SEMESTER 1, 2017

Term One

- **Periodic Functions** – Basic Trig. Ratios, sine and cosine rules and applications (Ex. 4A-G)
- **Introduction to Functions** – Linear Functions and their applications, Simultaneous Equations (EX. 1A-H)
- **Exponential Functions** – Index laws, index equations and graphs (Ex. 7A-D)

Term Two

- **Periodic Functions**- Definition of a periodic function, radians, graphs, simple trig. equations, identities and applications (Ex. 5A-F, 6A-E)
- **Introduction to Functions** – Relations and functions, types of relations, function notation, circles and applications of functions (Ex. 2A-G)

Assessment Summary:

Term One

Week	Date	Assessment Task	Formative/Summative
2-3	1-10 Feb	Extended Problem Solving	Formative
9-10	22-27 March	Exams	Formative

Term Two

Week	Date	Assessment Task	Formative/Summative
3-5	5-15 May	Extended Problem Solving	Formative
7-8	31 May-7 June	Exams	Formative

