ALPHA SECONDARY SCHOOL – PRINCIPLES OF MATHEMATICS 12
COURSE OUTLINE

The Principles of Mathematics 10 to 12 courses focus on a theoretical approach to mathematics and are intended for students who may wish to pursue mathematical related studies at the post-secondary level. Students in Principles of Mathematics 12 will have the opportunity to develop the knowledge and skills that are needed to continue on with the study of calculus.

TOPICS

TERM 1

Transformations	Ch 1
Exponential & Logarithmic functions	Ch 2
Geometric Sequences	Ch 2
Trigonometry – the coordinate plane	Ch 3
Term Exam	

TERM 2

Trigonometry – the coordinate plane	Ch 3
Graphing trig functions	Ch 4
Trigonometric equations & identities	Ch 5
Combinatorics	Ch 6
Mid-Year Exam (replaces Term 2 exam)	
Combinatorics continued	Ch 6

TERM 3

Probability	Ch 7
Statistics	Ch 8
Mock Exam (replaces Term 3 exam)	
Conics	Ch 9

GOVERNMENT EXAM **June 20, 2008**

EVALUATION

Term Marks

Quizzes/assignments/tests	75%
Homework	5%
Term exam	20%

School Mark (Term 1 + Term 2 + Term 3) / 3

FINAL MATHEMATICS 12 MARK

(School mark) X 60% + (Government exam mark) X 40%

Textbook: Mathematics 12 (Addison Wesley publisher)