

Henry Street High School

MBF 3C1

Foundations for College Mathematics, Grade 11, College Preparation

COURSE OUTLINE

COURSE DESCRIPTION

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

UNITS OF STUDY

UNIT 1 – Trigonometry

UNIT 2 – Probability

UNIT 3 – One-Variable Statistics

UNIT 4 – Quadratic Relations I

UNIT 5 – Quadratic Relations II

UNIT 6 – Geometry

UNIT 7 – Exponents

UNIT 8 – Compound Interest

UNIT 9 – Personal Finance

ASSESSMENT AND EVALUATION

ASSESSMENT STRATEGIES

- ❖ Unit Tests
- ❖ Quizzes
- ❖ Journals
- ❖ Investigations
- ❖ Inquiries
- ❖ Projects
- ❖ Assignments
- ❖ Final Summary Booklet
- ❖ Final Examination

EVALUATION

- ❖ Termwork 70%
- ❖ Final Summative Evaluation 30%

OTHER INFORMATION

CLASS REQUIREMENTS

- ❖ Textbook: Foundations for College Mathematics 11, McGraw-Hill Ryerson
- ❖ Equipment: Scientific calculator, 3-ring binder, lined paper, graph paper, pencil, coloured pens or pencils, eraser, ruler, geometry set