

Henry Street High School

MAP 4C1

Foundations for College Mathematics, Grade 12, College Preparation

COURSE OUTLINE

COURSE DESCRIPTION

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, for certain skilled trades.

UNITS OF STUDY

UNIT 1 – Measurement and Geometry

UNIT 2 – Trigonometry

UNIT 3 – Two-Variable Statistics

UNIT 4 – Data Management

UNIT 5 – Graphical Models

UNIT 6 – Algebraic Models

UNIT 7 – Annuities and Mortgages

UNIT 8 – Budgeting

ASSESSMENT AND EVALUATION

ASSESSMENT STRATEGIES

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

EVALUATION

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

OTHER INFORMATION

CLASS REQUIREMENTS

- ❖ Textbook: Foundations for College Mathematics 12, McGraw-Hill Ryerson
- ❖ Equipment: Scientific calculator, 3-ring binder, lined paper, graph paper, pencil, coloured pens or pencils, eraser, ruler, geometry set