

Henry Street High School

MFM 1P1

Foundations of Mathematics, Grade 9, Applied

COURSE OUTLINE

COURSE DESCRIPTION

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, the measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

UNITS OF STUDY

UNIT 1 – Measuring Figures and Objects

UNIT 2 – Perimeter and Area of Rectangles

UNIT 3 – Relationships in Geometry

UNIT 4 – Proportional Reasoning

UNIT 5 – Graphing Relations

UNIT 6 – Linear Relations

UNIT 7 – Polynomials

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: Pearson Math 9
- ❖ Equipment: Scientific calculator, 3-ring binder, lined paper, graph paper, pencil, coloured pens or pencils, eraser, ruler, geometry set