

# Henry Street High School

## MEL 4E1

Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation

### COURSE OUTLINE

#### COURSE DESCRIPTION

*This course enables students to broaden their understanding of mathematics as it is applied the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; apply geometric concepts to create designs. Students will consolidate their mathematical skills as the solve problems and communicate their thinking.*

#### UNITS OF STUDY

**UNIT 1** – Probability

**UNIT 2** – Budgets

**UNIT 3** – Renting Accomodations

**UNIT 4** – Filing a Tax Return

**UNIT 5** – Owning a Home

**UNIT 6** – Measuring and Estimating

**UNIT 7** – Measurement and Design

#### 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: Mathematics for Everyday Life 12, Irwin Publishing
- ❖ Equipment: Scientific calculator, 3-ring binder, lined paper, graph paper, pencil, coloured pens or pencils, eraser, ruler, geometry set