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**Evaluation Profile & Outline**

2018 – 2019

###### Grade 11/12, Workplace Preparation

Mathematics for Everyday Life

MEL3E/4E

## Earl Haig

SecondarySchool

**Course Description/Rationale/Overview:**

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and understand the components of a household budget. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Course Requirements/Department Policies**

Students must come prepared to every class. If a student misses a test because of a medical appointment, approved school activity or other valid reason, the student must inform the teacher before the test. If the student is ill on the day of a test, a phone call to the math office is required (416.395.3210 ext. 20080).

Late assignments must be accompanied with a note signed by a parent or guardian stating the reason for late submission. The note must list the due date of the assignment and the actual date of submission.

**Marks will be deducted for late assignments, up to and including the full value of the assignment.** [Growing Success: Assessment, Evaluation, and Reporting in Ontario Schools, Ministry of Ontario, 2010, pg. 43.]

**Class Requirements:**

Calculator

Pen / Pencil / Ruler

3-ring binder / Note paper

**Mathematical Process Expectations**

Problem Solving Connecting

Reasoning and Proving Representing

Reflecting Communicating

Selecting Tools and Computational Strategies

#### Assessment Strategies

Diagnostic Quizzes Homework Check

Diagnostic Tests Group Work

In-class Assignments Technology Based Tasks

Peer Assessments Observations

Class Participation/Interaction

Conferences/Interviews

**Learning Skills:**

Responsibility; Initiative; Organization;

Independent Work;

Collaboration;

Self-regulation

**Curriculum strands:**

1. Earnings and Deductions
2. Purchases and Buying Decisions
3. Borrowing
4. Income Taxes
5. Budgeting

**FINAL MARK**

Year’s Work: 70%

Final Summative 30 %

Achievement Categories and Weighting

Knowledge & Understanding 25%

Application 20%

Thinking 10%

Communication 15%

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**Outline**

**Grade 11: MEL3E**

WORKING AND EARNING

Salary

Piecework

Hourly & Overly Rate

Commission

DEDUCTIONS AND EXPENSES

Standard Deductions

Living Expenses

Paying Expenses

Purchasing Power

PAYING TAXES

PST & GST

Other forms of taxation

MAKING PURCHASES

Making change

Taxes and Total Cost

Discount and Sale Prices

BUYING DECISIONS

The Best Buy

Ratio and Rate

Incentives to Buy

Options to Pay – layaway

Renting with an Option to Buy

Buying on an Installment Plan

No interest of Payments for a specified time

BANKING TRANSACTIONS & SAVING MONEY

Types of saving

Simple Interest

Compound Interest

INCOME TAXES

BUDGETING

Components of a Household Budget

Changing one item in Budget

TAKING A TRIP

Reading Maps Schedules

Planning a Trip

BUYING A CAR

Buying vs. Leasing

Insuring a Car

Operating Costs

**Grade 12: MEL4E**

DATA GRAPHS

COLLECTING AND ORGANIZING DATA

RENTING AN APARTMENT

BUYING A HOME

HOUSEHOLD BUDGETS

MEASURING AND ESTIMATING

MEASUREMENT AND 2D DESIGNS

MEASUREMENT AND 3D DESIGNS