

Sir Wilfrid Laurier Secondary School
Grade 12 Workplace Preparation Mathematics – MEL4E
1.0 credits
Course Outline 2014 – 2015

Course Description

This course enables students to broaden their understanding of mathematics as it is applied in 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 personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

OVERALL EXPECTATIONS

<p>Reasoning With Data</p> <ul style="list-style-type: none"> • collect, organize, represent, and make inferences from one-variable data using a variety of tools and strategies, and describe related applications • determine and represent probability, and identify and interpret its applications 	<p>Personal Finance</p> <ul style="list-style-type: none"> • gather, interpret and compare information about owning or renting accommodation and about the associated costs • interpret, design, and adjust budgets for individuals and families described in case studies • demonstrate an understanding of the process of filing a personal income tax return and describe applications of the mathematics of personal finance
<p>Applications of Measurement</p> <ul style="list-style-type: none"> • determine and estimate measurements using the metric and imperial systems, and convert measures within and between systems • apply measurement concepts and skills to solve problems in measurement and design, to construct scale drawings and scale models, and to budget for household improvement • <i>identify and describe situations that involve proportional relationships and the possible consequences of errors in proportional reasoning, and solve problems involving proportional reasoning, arising in applications from work and everyday life</i> 	

Evaluation

The final report card mark will be determined as follows:

Term Mark	70%
Summative (Activity, Final Exam)	30%

Attendance

Regular attendance is an integral part of learning. Students are responsible for completing all work missed due to absence. Any missed term evaluation will result in a mark of zero, unless the absence is excused. Students must complete the missed evaluation immediately upon return to school, during out-of-class time.

End-of-course evaluations, ie, the summative activity and final examination are time-sensitive. Attendance is mandatory for these evaluations. Any absence will result in a mark of zero, unless validated by an official certificate.

General Course Information

Students must bring the following materials to each class:

- separate Math binder (to hold notes, tests, quizzes, handouts)
 - pencil case (to hold pencils, erasers, ruler, coloured pens)
 - scientific calculator
 - lined and graph papers
-

Text book

Mathematics for Everyday Life, Irwin Publishing

Replacement cost: **\$56.95 + GST**

Teacher Contact Information

G. Hickey

gerard.hickey@ocdsb.ca

(613) 834-4500
