Sir Wilfrid Laurier Secondary School
Grade 11 Mathematics for Work and Everyday Life (MEL 3E)
1.0 Credit
Course Outline 2015 – 2016

Course Description

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 calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Strands and Overall Expectations

Earning and Purchasing
- Interpret information about different types of remuneration, and solve problems and make decisions involving different remuneration methods
- Demonstrate an understanding of payroll deductions and their impact on purchasing power
- Demonstrate an understanding of the factors and methods involved in making and justifying informed purchasing decisions

Saving, Investing and Borrowing
- Describe and compare services available from financial institutions
- Demonstrate an understanding of simple and compound interest, and solve problems involving related applications
- Interpret information about different ways of borrowing and their associated costs, and make and justify informed borrowing decisions.

Transportation and Travel
- Interpret information about owning and operating a vehicle, and solve problems involving the associated costs
- Plan and justify a route for a trip by automobile, and solve problems involving the associated costs
- Interpret information about different modes of transportation, and solve related problems

Evaluation

The final report card mark will be determined according to the **student's overall achievement of all of the course expectations** as set out in The Ontario Curriculum Mathematics documents. Students will be given **multiple and varied opportunities to demonstrate their achievement of the expectations within each strand** throughout the term (70% of final grade) as well as in the summative activities and final exam (total 30% of final grade).

a **high degree** of effectiveness	**Level 4** (80-100)	Achievement surpasses the provincial standard.
considerable effectiveness	**Level 3** (70-79)	Achievement represents the **provincial standard.**
some effectiveness	**Level 2** (60-69)	Achievement is approaching provincial standard.
limited effectiveness	**Level 1** (50-59)	Achievement falls much below the provincial standard.
	Below Level 1 (49 and below)	*Student does not achieve at least *limited effectiveness* in all overall expectations.

Guidelines for Missed Evaluations and Academic Fraud

1. Upon missing a test or presentation, students will be required at the teacher's discretion, either to:
   a) Complete the test or presentation immediately upon return to school; or
   b) Make arrangements with the teacher for a make-up; or
   c) Write the missed test Friday morning at 7:30 a.m. of that week.
   Failure to complete the missed test/presentation according to the negotiated schedule will result in a mark of zero.

   Note: Certain forms of formal summative evaluations (exams, summative project presentations or tasks, etc.) are time sensitive. This means they must be completed at and within a specific time. Students must be present and prepared for these summative evaluations. Any absence will result in a mark of **zero**, unless validated by an official certificate. (ex. Medical Certificate).

2. If an assignment is late or incomplete, a student will be provided with a second opportunity. Students provided with a second opportunity **shall complete the required assignment within five school days**. If no evidence is forthcoming after five days, a mark of zero will be assigned.

3. Copied, borrowed or stolen work provides no evidence of learning. Teacher will document and archive the work in question. Students may be allowed to resubmit the assignment. The teacher and administrator will define the parameters for the completion of this task.

General Course Information

Students must bring the following materials to each class:
- textbook
- separate Math binder (to hold notes, tests, quizzes, handouts)
- pencil case (to hold pencils, erasers, ruler, coloured pens)
- scientific calculator
- lined and graph papers

Teacher Contact Information

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