

Mathematics for Work & Everyday Life MEL3E1

<p>Course Description:</p> <p>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.</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Level:</td> <td style="padding: 2px 5px;">Workplace</td> </tr> <tr> <td style="padding: 2px 5px;">Credit Value:</td> <td style="padding: 2px 5px;">1.0</td> </tr> <tr> <td style="padding: 2px 5px;">Pre-requisite:</td> <td style="padding: 2px 5px;">MFM2P1 or MAT2L1</td> </tr> <tr> <td style="padding: 2px 5px;">Department:</td> <td style="padding: 2px 5px;">Mathematics</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding: 2px 5px;">Course Fees: None</td> </tr> </table>	Level:	Workplace	Credit Value:	1.0	Pre-requisite:	MFM2P1 or MAT2L1	Department:	Mathematics	Course Fees: None	
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<p>Textbooks & Resources:</p> <ul style="list-style-type: none"> Growing Success: Assessment, Evaluation and Reporting in Ontario Schools The Ontario Curriculum Document, Grades 11 and 12: Mathematics, 2007 (revised) MHR Mathematics 11: Workplace and Everyday Life (Replacement Cost: \$17.00)
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<p>Course Evaluation: Student Evaluation consists of three components...</p>									
<p>1) Learning Skills & Work Habits: Students are evaluated on 6 Learning Skills & Work Habits. They are:</p> <ul style="list-style-type: none"> Responsibility Organization Independent Work Collaboration Initiative Self-Regulation 	<p>These six attributes are evaluated on a scale of Excellent (E), Good (G), Satisfactory (S) & Needs Improvement (N) and reported on the report card. They are not included in the course mark, unless specified in the curriculum expectations.</p>								
<p>2) Term Mark (Assessment of Learning): Student performance standards for knowledge and skills are described in the curriculum Achievement Chart. The curriculum is assessed in four categories:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">• Knowledge and Understanding</td> <td style="padding: 2px 5px; text-align: right;">40%</td> </tr> <tr> <td style="padding: 2px 5px;">• Thinking and Inquiry</td> <td style="padding: 2px 5px; text-align: right;">15%</td> </tr> <tr> <td style="padding: 2px 5px;">• Communication</td> <td style="padding: 2px 5px; text-align: right;">15%</td> </tr> <tr> <td style="padding: 2px 5px;">• Application</td> <td style="padding: 2px 5px; text-align: right;">30%</td> </tr> </table>	• Knowledge and Understanding	40%	• Thinking and Inquiry	15%	• Communication	15%	• Application	30%	<p>Evaluation of these four categories generates the term mark. The term mark accounts for 70% of the final mark.</p> <p>It is the student's responsibility to submit evidence of learning.</p>
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• Communication	15%								
• Application	30%								
<p>3) Final Evaluation (Assessment of Learning): The final evaluation, administered at or towards the end of the course is based on the evidence shown to the right. The final evaluation accounts for 30% of the final mark.</p>	<p>The final evaluation consists of:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Culminating Task</td> <td style="padding: 2px 5px; text-align: right;">30 %</td> </tr> </table>	Culminating Task	30 %						
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<p>Final Mark = 70% Term Mark + 30% Final Evaluation</p>									
<p>For a detailed description on Course Evaluation, see "How Did I Get That Mark!" at www.satec.on.ca</p>									

<p>Course Conduct Policies: See Student Agenda.</p>
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Please retain this page in the front of your notebook for future reference.



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Course Outline:

Unit	Description	Approximate Length	Major Unit Evaluation
Jobs & Earnings	interpret information about different types of remuneration, and solve problems and make decisions involving different remuneration methods	2 weeks	assignments, tests, quizzes
Net Income and Purchasing Power	demonstrate an understanding of payroll deductions and their impact on purchasing power	2 weeks	assignments, tests, quizzes
Making Sound Purchasing Decisions	demonstrate an understanding of the factors and methods involved in making and justifying informed purchasing decisions	2 weeks	assignments, tests, quizzes
Working With Financial Institutions	describe and compare services available from financial institutions	2 weeks	assignments, tests, quizzes
Saving & Investing	demonstrate an understanding of simple and compound interest, and solve problems involving related applications	2 weeks	assignments, tests, quizzes
The Nature of Borrowing Money	interpret information about different ways of borrowing and their associated costs, and make and justify informed borrowing decisions.	2 weeks	assignments, tests, quizzes
Owning & Operating a Vehicle	interpret information about owning and operating a vehicle, and solve problems involving the associated costs	2 weeks	assignments, tests, quizzes
Travelling by Automobile	plan and justify a route for a trip by automobile, and solve problems involving the associated costs	2 weeks	assignments, tests, quizzes
Comparing Modes of Transportation	interpret information about different modes of transportation, and solve related problems.	2 weeks	assignments, tests, quizzes

Note: The order of the units of study may change due to student needs and resources available during the course.

General Information:

Mathematics continually builds on previous lessons. Hence, daily attendance is important. Students are responsible for catching up on missed lessons and work.

It is expected that all students will write tests as a class group. If a student is unable to write the evaluation with the class, then the student must inform the teacher at least two school days in advance of the test so that alternate arrangements can be made.

Students who are absent on the day of the test due to illness or a family emergency must have their parents phone the math office at 416 396-3365 x20245 on the day of the test explaining why they will be absent. (Doctor's notes will be required from students who miss more than one scheduled test.) Alternate arrangements will be made for these students to write the test.

Students missing their tests or assignment deadlines due to unexplained absences will receive a mark of zero.

For more information on the missed test/assignment policies, please see the agenda.