

### Course Description:

MEL3E 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. They will also 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.

<b>Level:</b> Workplace	<b>Credit Value:</b> 1.0	<b>Program Enhancement Fee:</b> None
<b>Pre-requisite:</b> MFM1P,MPM1D,MAT2L	<b>Department:</b> Mathematics	

### Textbooks & Resources:

- Growing Success: Assessment, Evaluation and Reporting in Ontario Schools, 2010
- The Ontario Curriculum, Grades 11 AND 12 , 2007 Revised
- Mathematics for Everyday Life 11 (\$75)

### Course Evaluation: Student Evaluation consists of three components...

#### 1) Learning Skills & Work Habits:

Students are evaluated on 6 Learning Skills & Work Habits.

They are:

- |                    |                   |
|--------------------|-------------------|
| • Responsibility   | • Collaboration   |
| • Organization     | • Initiative      |
| • Independent Work | • Self-Regulation |

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.

#### 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:

- |                               |     |
|-------------------------------|-----|
| • Knowledge and Understanding | 25% |
| • Thinking and Inquiry        | 10% |
| • Communication               | 15% |
| • Application                 | 20% |

Evaluation of these four categories generates the term mark. **This term mark accounts for 70% of the final mark.**

**It is the student's responsibility to submit evidence of learning.**

#### 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.

The final evaluation consists of (out of 30%):

Examination	30%
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**Final Mark = 70% Term Mark + 30% Final Evaluation**

**Please retain this page in the front of your notebook for future reference.**

# Mathematics for Work and Everyday Life (Gr.11)

## MEL3E

### Course Profile

<b>Course Outline:</b>		<b>Approximate Length</b>	<b>Major Unit Evaluation</b>
<b>Unit</b>	<b>Description</b>		
1)Earning	Students interpret information about different types of remuneration, and solve problems and make decisions involving remuneration methods.	10 days	Test
2)Describing Purchasing Power	Students demonstrate an understanding of payroll deductions and their impact on purchasing power.	10 days	Test
3)Purchasing	Students demonstrate an understanding of the factors and methods involved in making and justifying informed purchasing decisions.	20 days	Test
4)Comparing Financial Services	Students describe and compare services available from financial institutions.	12 days	Test
5) Saving and Investing	Students demonstrate an understanding of simple and compound interest, and solve problems involving related applications.	12 days	Test
6)Borrowing	Students interpret information about different ways of borrowing and their associated costs, and make and justify informed borrowing decisions.	10 days	Test
7.Owning and Operation a Vehicle	Students interpret information about owning and operating a vehicle, and solve problems involving the associated costs.	11 days	Test
8.Travel and comparing modes of transportation	Students plan and justify a route for a trip by automobile, and solve problems involving the associated costs. Students also interpret information about different modes of transportation, and solve related problems.	10 days	Test

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

## **General Information**

Refer to the agenda for Wexford CSA Academic Conduct & Evaluation policies.

How to seek extra help:

- 1) Speak to your subject teacher and book a time to meet (Students & Parents).
- 2) Speak to a Peer Helper
- 3) Use reliable sources on the Internet.
- 4) Homework Help (Grades 7 – 10): <http://homeworkhelp.ilc.org>
- 5) Math Coach: <http://tdsb.na3.acrobat.com/mathcoach>
- 6) Speak to your Guidance Councillor (Students & Parents).who can guide you to other sources.

Recommended Internet resources:

[www.Khanacademy.org](http://www.Khanacademy.org)

[www.resources.elearningontario.ca](http://www.resources.elearningontario.ca)

[www.explorelearning.com](http://www.explorelearning.com)

[www.math.com](http://www.math.com)

[ca.ixl.com](http://ca.ixl.com)