



# St. Michael Catholic Secondary School

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 Phone: 905-951-8935

We believe that each one, created in the image and likeness of God, is called by name into the Dufferin-Peel community to realize the Ontario Catholic School Graduate Expectations to the fullest extent possible as we all journey from the early years to vocation.

## COURSE OUTLINE

<b>Department:</b>	Mathematics
<b>Course:</b>	Locally Developed Compulsory Credit Course, Mathematics, Grade 10
<b>Course Code:</b>	MAT2L1

<b>Common Course Calendar</b>	<b>Course Description:</b>
	<p>This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 11 and Grade 12 Mathematics Workplace Preparation courses.</p> <p>The course is organized by three major strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems.</p> <p>Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.</p> <p>Prerequisite: A Grade 9 Mathematics credit.</p>

Ministry/ICE Curriculum Documents Strand	Catholic Graduate Expectation Indicators for each Strand
<p><b>Extending Money Sense</b></p> <ul style="list-style-type: none"> <li>Understanding and Using Decimal Numbers in Solving Problems</li> <li>Communicating Information about Money</li> </ul> <p><b>Extending Understanding of Measurement</b></p> <ul style="list-style-type: none"> <li>Estimating and Measuring Using the Metric System</li> <li>Estimating and Measuring Using the Imperial System</li> <li>Solving Problems Involving Circumference, Perimeter, Area, and Volume</li> <li>Communicating Information about Measurement</li> </ul> <p><b>Extending Understanding of Proportional Reasoning</b></p> <ul style="list-style-type: none"> <li>Applying Fractions, Percent, Ratio, and Rate in Solving Problems</li> <li>Communicating Information</li> </ul>	<p><b>An Effective Communicator who:</b></p> <ul style="list-style-type: none"> <li>Reads, understands and uses written materials effectively</li> <li>Presents information and ideas clearly and honestly and with sensitivity to others</li> </ul> <p><b>A Reflective and Creative Thinker who:</b></p> <ul style="list-style-type: none"> <li>Recognizes there is more grace in our world than sin and that hope is essential in facing all challenges</li> <li>Thinks reflectively and creatively to evaluate situations and solve problems</li> </ul> <p><b>A Self-directed, Responsible, Life Long Learner who:</b></p> <ul style="list-style-type: none"> <li>Responds to, manages and constructively influences change in a discerning manner</li> <li>Applies effective communication, decision-making, problem-solving, time and resource management skills</li> <li>Examines and reflects on one's personal values, abilities and aspirations influencing life's choices and opportunities</li> </ul> <p><b>A Collaborative Contributor who:</b></p> <ul style="list-style-type: none"> <li>Works effectively as an interdependent team member</li> <li>Thinks critically about the meaning and purpose of work</li> <li>Respects the rights, responsibilities and contributions of self and others</li> </ul> <p><b>A Responsible Citizen who:</b></p> <ul style="list-style-type: none"> <li>Accepts accountability for one's own actions</li> <li>Respects the environment and uses resources wisely</li> </ul>

## Assessment and Evaluation:

Category Weightings	Weight %
Knowledge/Understanding	30%
Application	30%
Thinking	20%
Communication	20%

Final Summative Assessments	Overall Weighting
Term Work	70%
Culminating Assessment	30%

Learning Skills and Work Habits will also be assessed and reported on. For More information please refer to Growing Success pg. 11.  
<http://www.edu.gov.on.ca/eng/policyfunding/growsuccess.pdf>

## Resources and Supplies Needed

- ▶ Textbook: None
- ▶ Workbook: Math Essentials 10. McGraw-Hill Ryerson. ISBN 0-7-096135-2. **Cost \$20 if lost.**
- ▶ Scientific Calculator, Pencil, Eraser, Paper, Graph Paper, Binder

## Assessment and Evaluation Policy – additional details may be found in the student agenda book

### ▶ Student Absences

Regular attendance on the part of students is vital to the learning process. Teachers will not be able to measure the achievement of curriculum expectation of students who miss assessment and evaluation opportunities.

Type of Absence	Communication	Next Steps
Illness	The parent/guardian will contact the school as per the school's attendance policy indicating that he/she is aware of the missed evaluation.	On the day of his/her return, the student and teacher will make arrangements to address the missed evaluation in a timely manner.
Appointments	In advance, the student will advise the teacher of the upcoming absence which will be verified by the parent/guardian as per the school's attendance policy.	In advance, the student and teacher will make arrangements to make up the missed evaluation.
School-related	In advance, the student will advise the teacher of the upcoming school related absence.	In advance, the student and teacher will make arrangements to make up the missed evaluation.
Prolonged	The parent/guardian will advise the school of the prolonged absence as soon as possible.	In advance, where possible, the student and teacher, in consultation with the administrator, will make arrangements to address the missed evaluations.

In the event that the student does not make up the missed evaluation(s), a zero may be assigned.

If it is determined that the evaluation(s) has/have been missed as a result of a skip or truancy, a zero may be assigned.

The parent/guardian and student should review the student handbook for absences related to the 30% final and for any additional information.

### ▶ Submission of Assignments

Timelines for submission of assignments are established to encourage students to manage their time and to take responsibility for their learning. Timelines are also established to allow teachers to effectively deliver curriculum, support students, and manage the evaluation of assignments. It is important, therefore, that students work towards completing all assignments.

Due Date	Late Submissions	Closure Date
A due date is set by the teacher.	Once the due date has passed, a maximum 10% mark deduction may be used.	Once the closure date has passed, a zero may be recorded for assignments not submitted.
	The Learning skills section of the report card will reflect observations regarding late and missed assignments.	

### ▶ Homework Policy

Homework is assigned on a daily basis. Students and parents should expect a maximum of 20 minutes of homework a night.

Student success in math requires an ongoing review and practice of material. Extra help is available - ask your teacher how you can receive extra help.

**Please feel free to contact the teacher at 905-951-8935**

I have read the above information:

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent / Guardian Signature