**TEACHER:** Mr. Warner

**CREDIT VALUE:** 1.0

**PREREQUISITE:** Grade 8 Mathematics

**TEXTBOOK:** Math Essentials 9 Workbook, (McGraw-Hill, Ryerson) with Supplements

**MINISTRY DOCUMENT:** The Ontario Curriculum, Grades 9 and 10; Mathematics, Revised 2005.

**COURSE DESCRIPTION**

This course provides students who have experienced significant difficulties in previous Mathematics courses an opportunity to obtain sufficient background and skill development, to prepare them from Grade 11 Workplace Preparation course. Whenever possible ideas will be presented in real life context, providing students with the opportunity to explore, organize, interpret and use mathematical models to solve problems. Technology and manipulative materials will be used where possible and appropriate.

**COURSE STRANDS/UNITS:** *(not necessarily in order)*

***Develop and Consolidating Money Sense (MS)***

* Write and Rounding decimal Numbers in everyday money situations;
* Solve problems with money from everyday situations;
* Communicate information about money concepts and money sense.

***Develop Concepts in Proportional Reasoning (PR)***

* *Determine relationships between fractions, percentages, ratios, rates*
* *Solving problems drawn from everyday situations involving percent, ratio, rate,*

*fractions*

* *Communicate information about proportional reasoning concepts;*

***Develop and Consolidating Concepts in Measurement (MG)***

* *Estimate and measure length, capacity and mass in the metric system;*
* *Estimate and measure length, capacity and mass in the imperial system;*
* *Investigate and solve problems using metric units in the concepts of perimeter, area and*

*volume.*

* *Communicate information about measurement concepts;*

***EVALUATION OF STUDENT ACHIEVEMENT***

Each student will be given a variety of opportunities to demonstrate the extent to which she / he have met the expectations of this course. Her / his final grade will be a percentage that represents the student’s overall achievement of curriculum expectations based on her / his most consistent level of achievement.

**70% Summative Assessments throughout the semester based on all four categories of the Achievement Chart**

**30% Final Culminating Assessment**

Please note that any outstanding assignments / tests **MUST be submitted prior to the completion of each unit,** otherwise a mark of zero may be given.

One of the goals of any course is the development of the learning skills and work habits you will need to succeed in the workforce and in life. Your learning skills and work habits **(*Responsibility*, *Organization*, *Independent Work*, *Collaboration*, *Initiative, and Self-Regulation*)** will be assessed throughout the semester and will be recorded (separately from your grade) on your report card as follows:

***E – Excellent G – Good S – Satisfactory N – Needs Improvement***

The development of these skills is essential in Grade 9 as they are critical for success in the later grades, post secondary education and / or the workplace. To that end the students will be shown various strategies and provided encouragement throughout the semester to aid in their skill development.

***POLICIES AND EXPECTATIONS FOR THE STUDENT***

***General Expectations for this Course***

* **Be on time** and fully prepared for each class.
* **Participate actively** in class by asking questions and sharing your ideas and knowledge.
* **Demonstrate respect, responsibility, and a positive attitude** at all times – to your peers, your teacher, and yourself. Remember where you are and what you are trying to achieve. Appropriate language, clothing, and participation are expected each day of the semester.
* Maintain a **quiet, productive learning environment** by focusing on tasks, staying seated, and raising your hand to speak. Interrupting the thinking and work of others is not acceptable.
* **Be proactive** - YOU are responsible for your achievement in this class. Completing all course work is essential for success. Take advantage of the extra help offered and let me know as soon as concerns arise - solutions can always be found together!
* **No use of cellular phones / electronics / texting in class**. Students are asked to leave their electronics in their locker. If they bring their electronics to class, they are expected to put them in the designated box at the front of the class. Failure to follow these procedures may result in a detention.

***Course Materials and Resources***

REQUIRED TEXTS Math Essentials 9 Workbook, (McGraw-Hill, Ryerson) with Supplements

REQUIRED MATERIALS 3-ring binder with dividers

 pencils and eraser(s)

 scientific calculator (using iPods as calculators is NOT permitted.)

***Notebooks***

A separate 3-ring binder with four dividers is required for this course. It is recommended that the content of your binder be organized as follows:

* course outline sheets
* class notes/work and homework organized by date (Divider 1)
* all quizzes, tests, and other assessments *with corrections* (Divider 2)
* study notes and miscellaneous (Divider 3)

***Tests, Quizzes, Assignments, and Performance Tasks***

You will be given reasonable notice for all summative (mark counts) assessments. Formative (mark does not count) assessments may be given at any time to assess your progress during a particular unit of study. All assignments must be completed neatly and accurately for the assigned due date**.**

A **parent signature** will be required for all summative work (and, at times, for formative work as well).

***Homework and Extra Help***

Generally, sufficient time will be provided in class for students to complete their work. However, they will have homework from time to time (catching up on missed work and preparing for assessments).

There are many opportunities for you to receive extra assistance with your course work or build upon/explore other concepts and skills. I am available regularly at lunch. **It is very important that you seek assistance with difficulties as soon as they arise**.

***Attendance***

The attendance philosophy of St. Thomas Aquinas Catholic High School reflects our belief that your daily participation in the classroom learning experience is an integral part of the learning process. Prompt, regular attendance with all required materials and completed work on hand is a requirement for this course. If you are absent, it is your responsibility, on your own time, to update your notes, prepare for tests, etc

It is up to you to see the teacher and make arrangements for any **missed tests or in-class assignments.** You should be prepared to write any missed test or in-class assignment on the day you return to school, during your lunch time.

February 2019

**Dear MAT1L Parent/Guardian**

I am very pleased to be your child's mathematics teacher this semester. If at any time you have questions about the course or your child's progress, **please do not hesitate to contact me.** I check my email daily and therefore that may be the easiest method of contacting me, however you may also phone me if you wish.If I am unavailable when you call, leave a message and I will contact you as soon as possible. It is important to deal with questions and concerns immediately so that solutions can be found together.

I will be using a combination of Microsoft Teams and OneNote for our class, which are part of the Office 365 platform that all students have access to. The following will be posted on-line for all units: completed class notes, homework, learning goals, videos, unit review and any other pertinent assignment handouts. Please encourage your daughter / son to access this resource as soon as possible to ensure that any login and access issues are corrected early in the semester.

My goal for your daughter / son this year is success. I evaluate success not only in terms of grades, but also in the development of the "mathematical confidence" needed to succeed in everyday life.

Students will be evaluated in four areas that include:

Knowledge / Understanding: Can I do the skill?

Communication: Can I explain how to do the skill?

Application: Can I apply the skill in similar situations?

Thinking / Inquiry: Can I apply multiple skills to solve a problem?

All four types of questions will be used regularly to check the student’s progress.

Mathematics can be a difficult subject for many students in grade 9 as the course starts to incorporate more applications.

Some other things you can do to help your daughter / son to succeed in mathematics:

* Schedule a regular “homework time” and provide them with a quiet area to work that is free of distractions such as Snapchat, Facebook, Twitter and X-Box.
* Ensure that your daughter / son are staying current with their notes.
* Ask how her / his quizzes, skills homework or assignments are going.
* Offer to work on a problem together, or work with them to review concepts and calculations

**Please provide the information requested below, sign, and return this form to confirm that you have received and read this letter and to also confirm the following:**

* **I have read the course outline and understand the curriculum, procedural, and evaluation expectations of this course.**
* **I am aware of the Microsoft Team site for this class and that I should set up notifications for new postings to the site.**

**Please provide an email address that you check regularly.** My main method of communication regarding your daughter / son will be done via email.

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Parent / Guardian Contact Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent / Guardian Email address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Home Phone / Work Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Additional comments:

Is there anything special I might need to know?

Sincerely,

Cory Warner

Phone: 613-445-0810

Email: cory.warner@cdsbeo.on.ca