**Instructor:** **Mrs. S. Comte**

**Email:** scomte@isd21.mb.ca

**Website:** [www.mrscomte.weebly.com](http://www.mrscomte.weebly.com)

**Prerequisite**

Students should be entering this course after having completed Grade 9 Mathematics.

**Objectives**

Grade 10 Essentials Math is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. This course has been developed to allow students to transition to the work world with basic knowledge in every day mathematical situations.
​
This course prepares students by teaching them number sense, consumer problem-solving and decision-making. Essential Math is intended to help students become “informed” consumers and will provide students with the necessary skills.

**Topics**

Seven main themes are covered, and the focus is on students making connections and applying the outcomes to real-world situations:

1. Angles
2. Trigonometry
3. Consumer Decisions
4. Personal Finance (Net Pay, Gross Pay, Time Cards, and Percentages)
5. Geometry
6. Spatial Geometry (Transformations)
7. Measurement

 **Expectations**

In order to be successful in this course, students are expected to:

* **Be prepared**. Arrive on time, with all materials needed and pay attention to instructions.
* **Be proactive**. Prepare for assessments, review when topics are difficult, and ask questions when support is needed.
* **Be engaged**. Participate actively in class activities, and complete assignments in a timely manner.
* **Be respectful**. Help others around you, listen to others opinions, be a good group member, and help create a safe place to learn.
* **Be responsible**. Make arrangements before (or after) absences to get caught up.

**Assessment**

A **provincial math assessment will be written by all grade 10 math students on Nov. 7, 2023.** This is not a summative assessment, and therefore will not count toward final grades. More information about this assessment can be found at: [Fact Sheet for the Grade 10 Provincial Evaluation in Mathematics, Reading and Responding (gov.mb.ca)](https://www.edu.gov.mb.ca/k12/assess/pdfs/g10_eval_fact_sheet.pdf)

Your final mark will be based on the following percentages:

**80% Course Work**

- 10% Mental Math & Estimation

- 70% Knowledge and Understanding

- 20% Problem Solving, Communication and Reasoning

**20% Final Exam**

\*Coursework marks will be comprised of in-class assignments, quizzes, unit tests, and projects. Daily mental math and problem-solving tasks will help students build confidence and skills in these areas, and may be used as evidence for these components.

\* Students will be allowed to use all coursework to help them with their in-class assignments. Unit tests will be given at the end of each unit.

\*Students will be able to use **one** side of an 8.5 x 11 sheet of paper as a crib sheet to assist them on their tests.

\*The final exam will be based on all of the course outcomes we have covered throughout the year, and will be a final chance for students to demonstrate their learning. Students will be able to use one double sided formula sheet to support them for this exam.

**Extra Help & Missed Assignments**

If you don’t understand the lesson, **ask questions** **in class** or see me for immediate clarification. Students **must complete/attempt their homework regularly** and participate in class, by actively listening and asking questions. Extra help and/or support for missed assignments will be available by appointment, or in the library on Tuesdays and Thursdays during lunch hour.