Superior CVI

COURSE INFORMATION 2025 – 2026

COURSE NAME: Grade 10 Applied Mathematics	**CODE: MFM 2P1**

PRE-REQUISITE: Grade 9 Mathematics

COURSE DESCRIPTION

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples;and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

The goal of the Ontario mathematics curriculum is to provide all students with the key skills required to:

- understand the importance of and appreciate the beauty and wonder of mathematics;
- recognize and appreciate multiple mathematical perspectives;
- make informed decisions and contribute fully to their own lives and to today's interconnected local and global communities;
- adapt to changes and synthesize new ideas;
- work both independently and collaboratively to approach challenges;
- communicate effectively;
- think critically and creatively to connect, apply, and leverage mathematics within other areas of study including science, technology, engineering, the arts, and beyond.

ASSESSMENT AND EVALUATION OVERALL EXPECTATIONS

TERM	**70%**
Trigonometry and Measurement	25%
Linear Relations	25%
Quadratics	20%
FINAL SUMMATIVE	**30%**
Culminating Activities	5%
Midterm Exam	10%
Final Exam	15%

Formative assessments such as quizzes, tasks and mini-projects will be used to build knowledge. At the end of each unit there will be a summative assessment covering the concepts examined in that unit.

Learning Skills will be reported to Parents/Guardians on the report card but are not included in the mark. Learning skills are Independent Work, Collaboration, Organization, Initiative, Self-Regulation and Responsibility.

STUDENT RESPONSIBILITIES AND EXPECTATIONS

It is essential that students continue to develop a sense of responsibility for and ownership of their own learning as they begin their journey through secondary school. Mastering the skills and concepts connected with learning in the mathematics curriculum requires a commitment to:

- continual and consistent personal reflection and goal setting;
- developing the skills to persevere when taking on new challenges and a belief they can succeed;
- connecting prior experiences, knowledge, skills, and habits of mind to new learning;
- a willingness to work both independently and collaboratively in an inclusive environment;
- dedication to ongoing practice;
- a willingness to receive and respond to meaningful feedback and ask questions to clarify understanding;
- a willingness to explore new learning in mathematics and share insights and experiences.

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