



Superior CVI
COURSE INFORMATION 2025 - 2026

COURSE NAME: Grade 10 Academic Mathematics	CODE: MPM 2D1
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PRE-REQUISITE: Grade 9 Mathematics

COURSE DESCRIPTION
 This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

<p>The goal of the Ontario mathematics curriculum is to provide all students with the key skills required to:</p> <ul style="list-style-type: none"> • 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. 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">ASSESSMENT AND EVALUATION OVERALL EXPECTATIONS</th> </tr> <tr> <th style="width: 80%; padding: 5px;">TERM</th> <th style="width: 20%; padding: 5px;">70%</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Trigonometry</td> <td style="text-align: right; padding: 5px;">17.5%</td> </tr> <tr> <td style="padding: 5px;">Linear Relations and Analytic Geometry</td> <td style="text-align: right; padding: 5px;">17.5%</td> </tr> <tr> <td style="padding: 5px;">Quadratics</td> <td style="text-align: right; padding: 5px;">35%</td> </tr> <tr> <td colspan="2" style="padding: 5px;">FINAL SUMMATIVE</td> </tr> <tr> <td style="padding: 5px;">Culminating Activities</td> <td style="text-align: right; padding: 5px;">5%</td> </tr> <tr> <td style="padding: 5px;">Midterm Exam</td> <td style="text-align: right; padding: 5px;">10%</td> </tr> <tr> <td style="padding: 5px;">Final Exam</td> <td style="text-align: right; padding: 5px;">15%</td> </tr> <tr> <td colspan="2" style="padding: 5px;">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.</td> </tr> </tbody> </table>	ASSESSMENT AND EVALUATION OVERALL EXPECTATIONS		TERM	70%	Trigonometry	17.5%	Linear Relations and Analytic Geometry	17.5%	Quadratics	35%	FINAL SUMMATIVE		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.	
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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.

TEXTBOOK: Principles of Mathematics 10	REPLACEMENT COST: \$120.00
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