

## MPM1D Principles of Mathematics Grade 9, Academic

Prerequisite: Teacher:	n/a		
	416-396-6793 E	-vt 20/58	
Department:	Mathematics	20430	
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Extra Help: Textbook and Replacement Cost:	After In-Class til	me or an Online Tutorial pla	anned with your teacher
Required Materials:		cientific calculator, ruler, pe	encil, eraser, graph paper
Course Description			
This course enables students to develop and measurement and geometry through investigate relationships, which they will t different representations of a linear relation dimensional figures and two-dimensional they solve multi-step problems.	n investigation, the e then generalize as e on. They will also e	effective use of technology, equations of lines, and will explore relationships that en	and abstract reasoning. Students we determine the connections between nerge from the measurement of thre
http://www.edu.gov.on.ca/eng/curriculum	/secondary/math91	0curr.pdf	
Assessment and Evaluation			
Expectations will be evaluated based on ministry document. Expectations are organized into four cate	egories. The catego	ries and their correspondin	g weighting is as follows:
Knowledge and Understanding Application	35% 20%	Thinking Communication	5% 10%
Each student's final mark will be in the fo achievement chart. The breakdown of th Term Evaluation 70%	ne final mark is as fo	grade based on their achie Illowed: ating activity 10%	evement in the 4 categories on the
The final Evaluation will be completed du activities including an exam, a presentati			
In addition to students' performance in th the following learning skills:	ne achievement cate	gories, students will also b	e assessed on their performance in
Responsibility C	Drganization nitiative	Independent We Self-Regulation	
Collaboration II		domia honooty places refe	at to Code of Conduct
Collaboration II For specific policies on assessment and	evaluation, and aca	demic honesty, please rele	er to Code of Conduct.

<ul> <li>Operating with Exponents</li> <li>Manipulating Expressions</li> <li>Solving Equations</li> </ul>	<ul> <li>Investigating the Relationship Between an Equation and Its Graph</li> <li>Investigating the Properties of Slope</li> <li>Using the Properties of Linear Relations to Solve Problems</li> </ul>
<ul> <li>Measurement and Geometry</li> <li>Investigating Optimal Values of Measurements</li> <li>Solving Problems Involving Perimeter, Area, Surface Area, and Volume</li> <li>Investigating an Geometric Relationships</li> </ul>	<ul> <li>Linear Relations</li> <li>Using Data Management to Investigate Relationships</li> <li>Understanding Characteristics of Linear Relations</li> <li>Connecting Various Representations of Linear Relations</li> </ul>