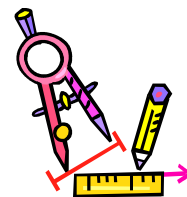




Cardinal Leger Secondary School Mathematics Department



Course Name: Foundations of Mathematics

Course Code: MFM1P1

Ministry Guidelines: Grades 9 & 10 Mathematics

Level: Grade 9 Applied

Teacher:

Room: 214

Textbook: Pearson Math 9

Replacement Cost: \$80

Textbook Number:

Course Fee:

Calculator Number:

Course Overview:

This course enables students to think and develop mathematical ideas and methods through the exploration of applications, the effective use of technology, and extended communication with tactile activities. Students will investigate relationships of straight lines in analytic geometry; solve tasks involving the measurement of 3-dimensional objects and 2-dimensional figures; and apply key numeric and algebraic skills in problem solving. Students will also have opportunities to consolidate core skills and increase their knowledge and understanding of key mathematical concepts.

Curriculum Strands and Overall Expectations:

Number Sense and Algebra

By the end of this course, students will:

- solve problems involving proportional reasoning;
- simplify numerical and polynomial expressions in one variable, and solve simple first-degree equations.

Linear Relations

By the end of this course, students will:

- apply data-management techniques to investigate relationships between two variables;
- determine the characteristics of linear relations;
- demonstrate an understanding of constant rate of change and its connection to linear relations;
- connect various representations of a linear relation, and solve problems using the representations.

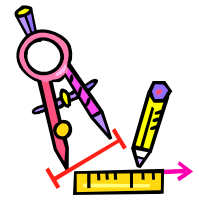
Measurement and Geometry

By the end of this course, students will:

- determine, through investigation, the optimal values of various measurements of rectangles;
- solve problems involving the measurements of two-dimensional shapes and the volumes of three-dimensional figures;
- determine, through investigation facilitated by dynamic geometry software, geometric properties and relationships involving two-dimensional shapes, and apply the results to solving problems.



Cardinal Leger Secondary School Mathematics Department



Evaluation

Term Work	70%
Knowledge and Understanding	30%
Application	30%
Communication	20%
Thinking	20%
Final Assessment	30%
Formal Examination	15%
Culminating Task	10%
EQAO Test	5%
Course Total	100%

Learning Skills and Work Habits

E= Excellent G=Good S=Satisfactory N= Needs Improvement

Responsibility	<ul style="list-style-type: none"> • Fulfills responsibility and commitments. • Takes responsibility for and manages own behavior.
Organization	<ul style="list-style-type: none"> • Devises and follows a plan and process for completing tasks. • Establishes priorities and manages time
Independent Work	<ul style="list-style-type: none"> • Independently monitors, assesses, and revises plans to complete tasks and meet goals. • Uses class time to complete tasks.
Collaboration	<ul style="list-style-type: none"> • Accepts various roles and an equitable share of work in a group. • Builds healthy peer-to-peer relationships.
Initiative	<ul style="list-style-type: none"> • Looks for and acts on new ideas and opportunities. • Approaches new tasks with a positive attitude.
Self-Regulation	<ul style="list-style-type: none"> • Sets own goals and monitors progress towards achieving them. • Seeks clarification or assistance when needed.

Missed/Late/Incomplete Assignments

It is the student's responsibility to address missed, late, or incomplete assignments. Students are expected to complete assignments and to adhere to assignment deadlines as follows:

Due Date	10% Penalty Zone	Closure Date
A due date is set by the teacher.	1 school day late – 3% 2 school days late – 6% 3 school days late – 10% Maximum penalty of 10%	Once the closure date has passed, work is considered incomplete and a mark of zero applies.

Parent Signature: _____ Student Signature: _____