



CARDINAL LEGER CATHOLIC SECONDARY SCHOOL

75 Mary Street
 Brampton, Ontario L6W 3K5
 905-453-2232

We believe that each one, created in the image and likeness of God, is called by name into the Dufferin-Peel community to realize the Ontario Catholic School Graduate Expectations to the fullest extent possible as we all journey from the early years to vocation.

COURSE OUTLINE

Department:	Mathematics
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Course:	Essential Math 10
Course Code:	MAT2L1

Common Course Calendar	Course Description:
	<p>This course enables students to consolidate their understanding of key mathematical concepts and to expand their mathematical knowledge through hands-on activities in problem-solving situations. Students will solve problems using a variety of methods for calculation; consolidate the meaning and use of proportionality through applications; use patterning strategies to solve simple problems; collect and analyze data that will result in linear relationships; investigate measurement aspects of two-dimensional figures and three-dimensional objects; and explore geometric relationships. This course prepares students for the Grade 11 Mathematics course, <i>Mathematics for Everyday Life – Workplace Preparation</i>.</p> <p>This course will help students address the Ontario Catholic School Graduate Expectation that they adopt a holistic approach to life by integrating learning from various subject areas and experience.</p>

Ministry/ICE Curriculum Documents	Strand/Unit Title	Corresponding Catholic Graduate Expectation Indicators for each Strand/Unit
	Extending Money Sense <ul style="list-style-type: none"> • solve problems drawn from everyday situations involving money, demonstrating skill, and understanding in the use of decimal numbers; • communicate information about money sense; • use literacy skills (reading, writing, listening and speaking) to extend their money sense 	- applies effective time and resource management skills

	<p>Extending Understanding of Measurement</p> <ul style="list-style-type: none"> • make estimates and measurements to extend understanding of the metric system; • make estimates and measurements to extend understanding of the Imperial system; • solve problems involving measurements of circles, rectangles, cylinders, and rectangular prisms, using metric units in applications drawn from everyday life and the workplace; • communicate information about measurement concepts; • use literacy skills (reading, writing, listening, and speaking) to extend understanding of measurement. <p>Extending Understanding of Proportional Reasoning</p> <ul style="list-style-type: none"> • solve problems drawn from everyday situations, demonstrating skill and understanding in the use of fractions, percentages, ratios, and rates; • communicate information drawn from a variety of sources; use literacy skills (reading, writing, listening, and speaking) to extend understanding of proportional reasoning. 	<p>- Integrates learning from various subject areas and experiences</p> <p>- thinks reflectively and creatively to evaluate situations and solve problems</p>
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Assessment and Evaluation:

Category Weightings	Weight %
Knowledge/Understanding	30
Thinking	20
Application	30
Communication	20

Final Summative Assessments	Overall Weighting
Term Work	70 %
Course Culminating	10%
EQAO	5%
Exam	15%

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.