



CARDINAL LEGER CATHOLIC SECONDARY SCHOOL

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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:	Grade 9 Locally Developed Mathematics
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Course Code:	MAT 1L1
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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 learn how to estimate, solve day-to-day problems, reason in numerical situations and communicate using mathematics.</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
	<p>Number Sense</p> <p>By the end of this course, students will:</p> <ul style="list-style-type: none"> • use a variety of methods for calculation when solving problems (e.g., mental mathematics or estimation, calculator, paper and pencil computational method) and apply the method effectively • calculate taxes and discounted prices • calculate unit prices in order to find bargains/better buys at the store when shopping 	<p>- Thinks critically about the meaning and purpose of work.</p>

	<p>Patterns and Relationships By the end of this course, students will:</p> <ul style="list-style-type: none"> • use patterning strategies to solve simple problems that arise in activities throughout the course (such as rates and ratios) <p>Measurement and Geometry By the end of this course, students will:</p> <ul style="list-style-type: none"> • solve problems involving the measurement of two-dimensional figures and three-dimensional objects; • find areas and perimeters of basic shapes • learn how to use metric and imperial length measurements as well as the difference between them • know about capacities and how they are used when cooking/baking (eg: cups, teaspoons millilitres etc..) 	<p>- thinks reflectively and creatively to evaluate situations and solve problems</p> <p>- Applies effective communication, decision-making, problem-solving, time and resource management skills.</p> <p>- Integrates learning from various subject areas and experiences</p>
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Assessment and Evaluation:

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

Assessments	% of Grade
Term Work	70%
Culminating Task	30%

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.