



Cameron Heights Collegiate Institute

301 Charles Street E., Kitchener, Ontario N2G 2P8 (519)-578-8330 www.chci.wrdsb.on.ca

Subject	Grade	Level	Code	Prerequisite
Mathematics	12	Workplace	MEL4EI	Grade 11

Course Description

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs, create household budgets, and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Ministry Website

<http://www.edu.gov.on.ca/eng/curriculum/secondary/math1112currb.pdf>

	Unit of Study	Overall Expectations (essential understandings)	Assessment
70%	Data and Probability	<ul style="list-style-type: none"> Collect, organize, represent, and make inferences from data using a variety of tools and strategies, and describe related applications Determine and represent probability, and identify and interpret its applications 	<ul style="list-style-type: none"> Variety of formative assessments in the form of quizzes and assignments Summative unit test (~15%)
	Accommodations	<ul style="list-style-type: none"> Gather, interpret, and compare information about owning or renting accommodation and about the associated costs 	<ul style="list-style-type: none"> Variety of formative assessments in the form of quizzes and assignments Summative unit test for Renting (~10%) Summative unit test for Owning (~10%)
	Financial Mathematics	<ul style="list-style-type: none"> Interpret, design, and adjust budgets for individuals and families described in case studies; Demonstrate an understanding of the process of filing a personal income tax return, and describe applications of the mathematics of personal finance. 	<ul style="list-style-type: none"> Variety of formative assessments in the form of quizzes and assignments Summative unit test (~10%)
	Measurement	<ul style="list-style-type: none"> Determine and estimate measurements using the metric and imperial systems, and convert measures within and between systems; Apply measurement concepts and skills to solve problems in measurement and design, to construct scale drawings and scale models, and to budget for a household improvement; Identify and describe situations that involve proportional relationships and the possible consequences of errors in proportional reasoning, and solve problems involving proportional reasoning, arising in applications from work and everyday life. 	<ul style="list-style-type: none"> Variety of formative assessments in the form of quizzes and assignments Summative unit test for measurement (~10%) Summative unit test for scale/proportional reasoning (~10%) Completion of house model (~5%)
30%	Final Exam	<ul style="list-style-type: none"> Will include all of the overall expectations listed within the units of study 	<ul style="list-style-type: none"> Summative Final Exam (30%)