



## Cameron Heights Collegiate Institute

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

Subject	Grade	Level	Code	Prerequisite
Mathematics	11	Workplace	MEL3EI	Grade 9

### Course Description

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. 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/math1112currnb.pdf>

	Unit of Study	Overall Expectations (essential understandings)	Assessment
<b>70%</b>	<b>Jobs, Jobs, Jobs</b>	<ul style="list-style-type: none"> <li>Interpret information about different types of remuneration, and solve problems and make decisions involving different remuneration methods;</li> <li>Demonstrate an understanding of payroll deductions and their impact on purchasing power</li> </ul>	<ul style="list-style-type: none"> <li>Variety of formative assessments in the form of quizzes and assignments (1-2%)</li> <li>Summative unit test (~12%)</li> </ul>
	<b>Sales and Discounts</b>	<ul style="list-style-type: none"> <li>Demonstrate an understanding of the factors and methods involved in making and justifying informed purchasing decisions</li> </ul>	<ul style="list-style-type: none"> <li>Variety of formative assessments in the form of quizzes and assignments (1-2%)</li> <li>Summative unit test (~12%)</li> </ul>
	<b>Saving and Investing</b>	<ul style="list-style-type: none"> <li>Describe and compare services available from financial institutions</li> <li>Demonstrate an understanding of simple and compound interest, and solve problems involving related applications</li> </ul>	<ul style="list-style-type: none"> <li>Variety of formative assessments in the form of quizzes and assignments (1-2%)</li> <li>Summative unit test (~12%)</li> </ul>
	<b>Borrowing Money</b>	<ul style="list-style-type: none"> <li>Interpret information about different ways of borrowing and their associated costs, and make and justify informed borrowing decisions</li> <li>Interpret information about owning and operating a vehicle, and solve problems involving the associated costs</li> </ul>	<ul style="list-style-type: none"> <li>Variety of formative assessments in the form of quizzes and assignments (1-2%)</li> <li>Summative unit test (~12%)</li> </ul>
	<b>Trip</b>	<ul style="list-style-type: none"> <li>Plan and justify a route for a trip by automobile and solve problems involving the associated costs</li> <li>Interpret information about different modes of transportation, and solve related problems</li> </ul>	<ul style="list-style-type: none"> <li>Variety of formative assessments in the form of quizzes and assignments (1-2%)</li> <li>Summative unit test (~12%)</li> </ul>
<b>30%</b>	<b>Final Summative</b>	<ul style="list-style-type: none"> <li>Will include all of the overall expectations listed within the units of study</li> </ul>	<ul style="list-style-type: none"> <li>Summative Final Exam (30%)</li> </ul>