

<p>Course Description:</p> <p>This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Grade 11 Mathematics Workplace Preparation course. The course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.</p>	<p>Level: Essential</p>
	<p>Credit Value: 1.0</p>
	<p>Pre-requisite: MAT1L1</p> <p>Department: Mathematics</p>
	<p>Course Fees: None</p>

<p>Textbooks & Resources:</p> <ul style="list-style-type: none"> • Growing Success: Assessment, Evaluation and Reporting in Ontario Schools • The Ministry Curriculum, Grades 9 & 10, Locally Developed Compulsory Credit Courses, 2005 (revised) • MHR Math Essentials 10 (Replacement Cost: \$17.00)

<p>Course Evaluation: Student Evaluation consists of three components...</p>			
<p>1) Learning Skills & Work Habits: Students are evaluated on 6 Learning Skills & Work Habits. They are:</p> <ul style="list-style-type: none"> • Responsibility • Organization • Independent Work • Collaboration • Initiative • Self-Regulation 	<p>These six attributes are evaluated on a scale of Excellent (E), Good (G), Satisfactory (S) & Needs Improvement (N) and reported on the report card. They are not included in the course mark, unless specified in the curriculum expectations.</p>		
<p>2) Term Mark (Assessment of Learning): Student performance standards for knowledge and skills are described in the curriculum Achievement Chart. The curriculum is assessed in four categories:</p> <ul style="list-style-type: none"> • Knowledge and Understanding 40% • Thinking and Inquiry 15% • Communication 15% • Application 30% 	<p>Evaluation of these four categories generates the term mark. The term mark accounts for 70% of the final mark.</p> <p>It is the student's responsibility to submit evidence of learning.</p>		
<p>3) Final Evaluation (Assessment of Learning): The final evaluation, administered at or towards the end of the course is based on the evidence shown to the right. The final evaluation accounts for 30% of the final mark.</p>	<p>The final evaluation consists of:</p> <table> <tr> <td>Culminating Task</td> <td>30 %</td> </tr> </table>	Culminating Task	30 %
Culminating Task	30 %		
<p>Final Mark = 70% Term Mark + 30% Final Evaluation</p>			
<p>For a detailed description on Course Evaluation, see "How Did I Get That Mark!" at www.satec.on.ca</p>			

<p>Course Conduct Policies: See Student Agenda.</p>

Please retain this page in the front of your notebook for future reference.



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Course Outline:

Unit	Description	Approximate Length	Major Unit Evaluation
Working for Our Money	investigating jobs, calculating weekly, monthly and annual earnings, calculating commission, interpreting graphs, budgeting	2 weeks	assignments, tests, quizzes
Spending Money	estimate taxes, calculate discounts, calculate total prices, identify misleading graphs	2 weeks	assignments, tests, quizzes
Metric Linear Measurement	estimate and measure length, capacity, and mass, in order to consolidate understanding of the metric system, interpret scale diagrams and maps	1.5 weeks	assignments, tests, quizzes
Imperial Linear Measurement	measure fractions of an inch, convert among Imperial measures, interpret and create scale diagrams	1.5 weeks	assignments, tests, quizzes
Properties of Circles	find an approximate value for pi, calculate circumference, calculate perimeters of composite shapes	2 weeks	assignments, tests, quizzes
Circles & Angles	create and interpret circle graphs, use angles to describe directions	2 weeks	assignments, tests, quizzes
Getting the Right Mix	work with two and three term ratios, solve proportions, determine and compare unit rates	2 weeks	assignments, tests, quizzes
Planning a Trip	read dates and calculate amount of time, read schedules, understand time zones, compare travel costs, explore relationships between units, budgeting,	2 weeks	assignments, tests, quizzes
Circles & Cylinders	calculate areas of circles and part circles, calculate volume of cylinders;	1.5 weeks	assignments, tests, quizzes
Gardens, Patios & Pools	calculate area and perimeter of composite shapes, calculate volume of cylinders and rectangular prisms	1.5 weeks	assignments, tests, quizzes

Note: The order of the units of study may change due to student needs and resources available during the course.

General Information:

Mathematics continually builds on previous lessons. Hence, daily attendance is important. Students are responsible for catching up on missed lessons and work.

It is expected that all students will write tests as a class group. If a student is unable to write the evaluation with the class, then the student must inform the teacher at least two school days in advance of the test so that alternate arrangements can be made.

Students who are absent on the day of the test due to illness or a family emergency must have their parents phone the math office at 416 396-3365 x20245 on the day of the test explaining why they will be absent. (Doctor's notes will be required from students who miss more than one scheduled test.) Alternate arrangements will be made for these students to write the test.

Students missing their tests or assignment deadlines due to unexplained absences will receive a mark of zero. For more information on the missed test/assignment policies, please see the agenda.