

991 St. Clair Ave. West
 Toronto, Ontario M6E 1A3
 Telephone: (416) 393-1780
 Fax: (416) 393-8169

Website: <http://schools.tdsb.on.ca/oakwoodci/>

Course of Study: Mathematics for Work and Everyday Life
Grade 12

Academic Year: 2018 - 2019		Teacher Name: Mr. Norman	
Department:: Mathematics		Department Head: Mr. Burtch	
Date developed: June 2009		Revised: Sept 2015	
Course Title	Mathematics for Work and Everyday Life	Course Code	MEL4E1
Prerequisite	Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation	Grade	12
Level	Essentials	Credit Value	1.0

Course Description		
Ontario Ministry of Education Document:		
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.		
Textbook: To Be Determined		
Instructional Strands/Units		
Strand/Unit Titles	Approx. Time Spent	Overall Expectations/Unit Description
Reasoning With Data	3 Months	<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.

Instructional Strands/Units (Cont'd)		
Strand/Unit Titles	Approx. Time Spent	Overall Expectations/Unit Description
Personal Finance	3 Months	<ul style="list-style-type: none"> gather, interpret, and compare information about owning or renting accommodation and about the associated costs; 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.
Applications of Measurement	3 Months	<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.

Student Evaluation Criteria			
Term Work		Culminating Activities	
Categories			
Knowledge/Understanding (K/U)	15 – 20 %	Final Exam	
Inquiry/Thinking (T/I)	15 – 20 %	Culminating Activity	30 %
Communication (C)	15 – 20 %		
Application (A)	15 – 20 %		
Term Total 70%		Culminating Activity Total 30%	

	First Report	Second Report	Interim Report	Final Report
Progress Reports				
Report Cards	Nov. 24, 2017	Feb. 13, 2018	April 19, 2018	June 30, 2018
Parent/Teacher Interviews	Nov. 30, 2017	Feb. 15, 2018		

Assessment of Learning Skills

The 6 learning skills: Responsibility, Organization, Independent Work, Collaboration, Initiative and Self Regulation, will be assessed using a variety of techniques including, but not limited to, homework checks, group work/research, class involvement, cooperative activities and independent work

Assessment and Evaluation Tools

<i>Knowledge/Understanding</i>	<i>Thinking/Inquiry and Application</i>	<i>Communication</i>
Quizzes	Investigations	Discussions
Tests	Projects	Participation
In-Class Assignments	Problem Solving	Written and oral communication of mathematical ideas
Homework	Real-World Applications	
	Explorations	
	Word Problems	

Communication

<i>Parents</i>	<i>Contact the Math department at 393-1790 ext. 20038</i>
<i>Students</i>	<i>Contact your teacher in person</i>
<i>Extra help</i>	<i>By arrangement with your teacher</i>
<i>School Website</i>	<i>http://schools.tdsb.on.ca/OakwoodCI</i>

Department Policies

Success Plan

- 1. Come to class every day, on time, with a pencil, eraser, ruler , scientific calculator and binder.**
- 2. Listen to, and participate in, the lesson.**
- 3. Complete the work assigned in class.**
- 4. Ask for help when you need it.**
- 5. Help your classmates.**
- 6. Complete all evaluations to the best of your ability.**

Textbooks

Students will be issued a textbook for use during the school year and are expected to bring it to class each period. Replacement cost \$80

Evaluation

Evaluation takes a balanced approach (see above) to the 4 categories of achievement (K/U, T/I, C, A) and blends these so that most evaluation tasks include 2 or more of the categories. For purposes of simplification, the final mark will be calculated as follows:

<i>Course Work, including: Tests, Quizzes, Assignments, etc. (K/U, C, A)</i>	<i>70%</i>
<i>Culminating Activities (incl. Final Exam) (K/U, T/I, C, A)</i>	<i>30 %</i>

Teachers will communicate to students the approximate value of assignments and their placement in the evaluation chart.

Attendance, Punctuality and Work Habits

It is expected that students arrive punctually to all classes and that attendance is regular. When students are absent, it is the responsibility of the student to find out what was missed. This should be done at an appropriate time such as before school on the date of return. Students are not to disrupt the learning of others by catching up on missed work during class. This includes requests for missed/lost handouts. All such matters should be dealt with before class commences.

Homework will be assigned on a regular basis. Students are expected to demonstrate initiative and self-direction in their approach to homework. Failure to do homework will adversely affect a student's ability to achieve high marks.

Coursework – Tests, Assignments, etc.

Students are expected to write tests/quizzes on the set date. Students must make arrangements with the teacher in advance of the test date if they know that they will be away. In such cases, the student is expected to make arrangements with their teacher to make up the missed evaluation. If students are absent for an officially recognized excuse, they must present documentation and the teacher will set a date for an alternative test to be written.

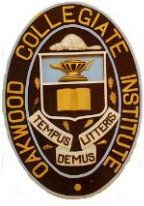
Assignments – each assignment has a due date. Assignments are due at the start of the period on the due date, unless otherwise specified. Late assignments will be accepted until the ultimate due date. This is usually the date on which marked assignments are returned. After this date, assignments may not be submitted and the student will receive a zero. Teachers may use a variety of techniques to encourage students to submit late work. This may include, if necessary, a mark reduction of 10%.

Exams and Culminating Activities

Exams and culminating evaluations must be done on the due date. It is usually not possible to reschedule these evaluations or to provide alternative assignments. Therefore a mark of zero will be assigned unless suitable documentation (medical certificate, etc.) is received. In such cases, the teacher, in consultation with colleagues and the administration, will determine an appropriate mark.

Course:

Teacher:



*991 St. Clair Ave. West
Toronto, Ontario M6E 1A3
Telephone: (416) 393-1780
Fax: (416) 393-8169*

Website: <http://schools.tdsb.on.ca/oakwoodci/>

COURSE: _____

TEACHER: _____

Please acknowledge that you have read this outline:

<i>Date:</i>	<i>Parent Signature</i>
<i>Date:</i>	<i>Student Signature</i>

Please return this to _____ by _____