



991 St. Clair Ave. West
 Toronto, Ontario M6E 1A3
 Telephone: (416) 393-1780
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Website: <http://schools.tdsb.on.ca/oakwoodci/>

Course of Study: Foundations of Mathematics

Academic Year		2019-2020		Teacher Name:	
Department:		Math		Department Head: S. Burtch	
Date developed:		2005		Revised: June 2018	
Course Title	Foundations of Mathematics	Course Code	MFM 2P		
Prerequisite	MFM 1P	Grade	10		
Level	Applied	Credit Value	1.0		

Course Description

Ontario Ministry of Education Document:

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Textbook: Mathematics 10, Applying the Concepts (McGraw-Hill Ryerson)

Instructional Strands/Units		
<i>Strand/Unit Titles</i>	<i>Approx. Time Spent</i>	<i>Overall Expectations/Unit Description</i>
Equations and Formulas	8 Periods	manipulate and solve algebraic equations, as needed to solve problems
Linear Functions	15 Periods	graph a line and write the equation of a line from given information
Systems of Linear Equations	10 Periods	solve systems of two linear equations, and solve related problems that arise from realistic situations
Algebraic Expressions	14 Periods	manipulate algebraic expressions, as needed to understand quadratic relations
Quadratic Functions	7 Periods	identify characteristics of quadratic relations and solve problems by interpreting graphs of quadratic relations
Similar Triangles	8 Periods	use their knowledge of ratio and proportion to investigate similar triangles and solve problems related to similarity
Trigonometry	9 Periods	solve problems involving right triangles, using the primary trigonometric ratios and the Pythagorean theorem
Measurement	8 Periods	solve problems involving the surface areas and volumes of three-dimensional figures, and use the imperial and metric systems of measurement

Student Evaluation Criteria			
Term Work		Culminating Activities	
Categories			
Knowledge/Understanding	35%	Final Exam	15%
Inquiry/Thinking	15%	Culminating Activity	15%
Communication	15%		
Application	35%		
Term Total 70%		Culminating Activity Total 30%	

	First Report	Second Report	Interim Report	Final Report
Report Cards	Nov 24, 2017	Feb 13, 2018	Apr 19, 2018	June 28, 2018
Parent/Teacher Interviews	Nov 30, 2017	Feb 15, 2018		

Assessment of Learning Skills
<i>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</i>

Assessment and Evaluation Tools		
Written Work	Performance	Oral/Other
Quizzes Tests In-Class Assignments Homework	Investigations Projects Problem Solving Real-Life Applications Explorations Creating Word Problems	Discussions Participation Communication of mathematical ideas in writing and orally

Communication	
Parents	Contact the Math department at 393-1790 ext. 20038
Students	Contact your teacher in person Check your googleclassroom site
Extra help	Mornings 8-8:30 Lunch Tues and Thursday Or please make an arrangement with me
School Website	http://schools.tdsb.on.ca/OakwoodCI

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.

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.</i> <i>(K/U, C, A)</i>	<i>70%</i>
<i>Culminating Activities (incl. Final Exam)</i> <i>(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.



Oakwood Collegiate Institute

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COURSE: _____

TEACHER: _____

**Please ensure that your child comes to school with the following items every class:
Binder, Pen, Pencil, Eraser, Ruler, Scientific Calculator, Pencil case, Paper**

Please acknowledge that you have read this outline:

Date:	Parent Phone number: Parent email: Parent/Guardian Full Name: _____
Date:	Student Signature

Please return this to _____ by _____