



**St. Joseph Secondary School  
Department of Mathematics**

**Course Code:** MFM 2P1  
**Course Name:** Applied Math  
**Level:** Grade 10

**Student's Name:** \_\_\_\_\_

**Textbook #:** \_\_\_\_\_

**Course Description:**

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.

**Overall Course Expectations:**

This curriculum integrates appropriate technologies, such as graphing calculators, into the learning and doing of mathematics, while recognizing the continuing importance of students' mastering essential arithmetic and algebraic skills. As a result, students will be expected to use the equipment with respect, as it is an integral part of the curriculum.

Students are given sufficient notice of upcoming evaluations and assignments. As such, students should provide their teachers with sufficient notice for any valid absences. Together with their teacher, they can determine how best to deal with the missed course evaluation. Any evaluation or assignment missed due to truancy will be recorded as a mark of 0.

**Ontario Catholic School Graduate Expectations (Vision of the Learner):**

The graduate is expected to be:

1. A discerning believer
2. An effective communicator
3. A reflective, creative and holistic thinker
4. A self-directed, responsible, lifelong learner
5. A collaborative contributor
6. A caring family member
7. A responsible citizen

**Efforts will be made to meet the individual learning needs of students to promote student success with respect to meeting the expectations of this course.**

My signature below indicates that I have read the Course Handout, and I am in agreement with its contents.

**Parent's/Guardian's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Student's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## **Units of Study - MFM 2P1- Gr. 10 Applied Math**

- *Unit 1* - Review of Prerequisite Skills
- *Unit 2* - Equations
- *Unit 3* - Modelling Linear Relations
- *Unit 4* - Systems of Linear Equations
- *Unit 5* - Simplifying Algebraic Expressions
- *Unit 6* - Quadratic Functions
- *Unit 7* - Similar Triangles and Trigonometry
- *Unit 8* - Measurement

There is a Culminating Performance Task (CPT) for this course – it is worth 10% of the final mark. The final exam will be weighted at 20% of the final mark.

## **Resources:**

The course will use a variety of resources which will be distributed to students during the first week of the course. The text and all other resources assigned to each student are the responsibility of the student.

*Resources for this course include:*, 10 Applied Math textbook, various manipulatives, individual student resources to complete projects.

*Any damage incurred will result in payment for replacement:*

## **Evaluation Policies:**

1. Student marks will be determined by evaluating process & product according to 4 categories (see below) & 4 levels of the Achievement Chart as found in the Ministry Policy document.

### **Evaluation Structure:**

Knowledge/Understanding	30%
Application	30%
Communication	20%
Thinking	20%

**Term Evaluations:** **70% of the final mark**

**Final Evaluation:** **30% of the final mark (20% exam and 10% CPT)**

2. Feedback will also be provided for student **learning skills:** Responsibility, Organization, Independent Work, Collaboration, Initiative and Self-Regulation are assessed apart from student achievement in the four categories outlined above and will conform to the coding:

**E – Excellent    G – Good    S – Satisfactory    N - Needs Improvement**

3. **Assignments** submitted after the due date established by the teacher will receive a penalty **in accordance with our Board Assessment & Evaluation Policy Document** as outlined in the agenda.
4. Should a student miss an evaluation due to a legitimate absence, **in accordance with our Board A&E Policy Document**, the student and teacher will make arrangements to address the missed evaluation in a timely manner. In the cases of **extended vacation** or **prolonged absence**, consultation with the appropriate administrator is required.
5. In the event that the student does not make up the missed evaluation(s), a zero may be assigned. If it is determined that the evaluation(s) has/have been missed as a result of a skip/truancy or has/have been plagiarized, a zero may be assigned.
6. For all other cases of absence and/or missed evaluations (including absence during the final examination period), please refer to our Board A&E Policy as outlined in the student agenda.

**May God bless your efforts this semester!**