



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

Course Code: MAP 4C1
Course Name: Foundations for College
Level: Grade 12

Student's Name: _____

Textbook #: _____

Course Description:

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

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:

- *Unit 1* - Measurement and Geometry
- *Unit 2* - Trigonometry
- *Unit 3* - Two Variable Statistics
- *Unit 4* - Apply Data Management
- *Unit 5* - Graphical Models
- *Unit 6* - Algebraic Models
- *Unit 7* - Annuities and Mortgages
- *Unit 8* - Budgeting

A Culminating Performance Task (CPT) will be administered towards the end of the course and will be weighted at 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:

Foundations for College Mathematics 12 textbook (McGraw-Hill Ryerson), individual student resources to complete projects, Chromebooks, iPads, personal electronic devices (PEDs)

Any damage incurred will result in payment for replacement: \$90 for text

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 Evaluations: 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!