| PROGRAM AREA: Mathematics | COURSE NAME: Foundations for College |
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| COURSE CODE: MBF 3C | GRADE/LEVEL: 11 |
| PREREQUISITE: MFM 2P | CREDIT VALUE: 1.0 |

Cost of Textbook/equipment replacement: $\qquad$ \$75 $\qquad$ Additional Course Costs: $\qquad$
(if lost or damaged)
Textbooks(s)/Resources:
Foundations for Mathematics 11 ISBN 978-0-07-078084-2
McGraw-Hill Ryerson

## COURSE DESCRIPTION:

This course enables students to broaden their understanding of mathematics as a problem-solving toll in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems using geometry and trigonometry.


CURRICULUM STRANDS (UNITS) and OVERALL EXPECTATIONS: (continued)
Throughout this course, students will

- Problem Solve
- Reason and Demonstrate
- Reflect, and apply
- $\quad$ Select Tools and Computational Strategies
- Connect (between mathematical concepts and procedures)
- Represent and determine through investigation
- Communicate


## Assessment and Evaluation

Assessment and Evaluation are based on the expectations and levels of achievement outlined in the provincial curriculum document for each subject. A wide range of assessment and evaluation opportunities allows students to demonstrate their learning in a variety of ways. This information provides the basis for reporting student grades on the Provincial Report Card.
A final mark will be calculated using the following categories or strands.
Formative Evaluation: ( $70 \%$ of the final mark will be based on evaluations conducted throughout the course)
All four achievement categories/strands do not need to be evaluated in each evaluation task.

| Communication <br> $(20 \%)$ | Knowledge/Understanding <br> $(30 \%)$ | Thinking and Inquiry <br> $(20 \%)$ | Application/Making <br> Connections (30\%) |
| :--- | :--- | :--- | :--- |
| Tests/quizzes | Tests/quizzes | Tests | Tests/quizzes |
| Journal entries | Assignments | Mathematical conventions | Mathematical conventions |
| Presentations/reports | Reports | Assignments | Assignments |
| Mathematical |  |  |  |
| terminology/conventions |  | Reports | Reports |
| Assignments |  |  |  |
|  |  |  |  |

Summative Evaluation: (30\% of the final mark will be based on a final evaluation in the form of culminating activities).
Components of Summative Evaluation: 1. $\qquad$ Assignment $\qquad$ (15\%)
2. $\qquad$ Exam $\qquad$ (15\%)
** A detailed explanation of the culminating activity/activities will be distributed to students in the class.

Learning Skills: The report card provides a record of the learning skills, demonstrated by the student in every course in the following six categories: Responsibility, Independent Work, Initiative, Organization, Collaboration, Self-Regulations. The learning skills are evaluated using a four-point scale (E-Excellent, G-Good, S-Satisfactory, $N$-Needs Improvement).

Please refer to the Student Agenda Planner for details regarding the Achievement Chart and Learning Skills.
Summer School is available for students achieving between 35 and 49\%.

We believe that homework completion is essential for student success.

