

Course Outline: Foundations For College Mathematics MBF 3C

Teacher:

Credit Value: 1.0

Course Code: MBF 3C

Prerequisite: MFM 2P/MFM 2D

Course Description:

This course enables students to broaden their understanding of mathematics as a problem-solving tool 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 in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Curriculum Strands:	Units of Study:
Trigonometry and Geometry	Unit 1: Trigonometry
Mathematical Models	Unit 2: Geometry
Personal Finance	Unit 3: Quadratics Part I
Data Management	Unit 4: Quadratics Part II
	Unit 5: Personal Finance
	Unit 6: Statistics
	Unit 7: Probability

Assessment & Evaluation:

Term Work:	70%	Final Summative:	30%
UNIT Assignments	= 15%	Summative Project/Review	= 15%
Quizzes	= 15%	Final Exam	= 15%
In Class/Take Home Assignments	= 10%		
Tests	= 30%		

Within each Curriculum Strand, the following Achievement Chart Categories will be used for individual evaluations: Knowledge/Understanding, Thinking/Inquiry, Communication, Application

Learning Skills and Work Habits: The following Learning Skills and Work Habits are evaluated regularly using a scale of Excellent, Good, Satisfactory or Needs Improvement:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

Growing Success: Students will be assessed through a combination of conversation, observation, and product. Success criteria, exemplars and ongoing descriptive feedback will be used to support student learning. Assessment will be varied in nature, and administered over a period of time to provide multiple opportunities for students to demonstrate the full range of their learning. The final grade should reflect the student's most consistent level of achievement, with special consideration given to more recent evidence. (*Growing Success, 2010*)

Teaching Strategies: A variety of teaching and learning strategies will be incorporated throughout the course.