

MFM 2P: Foundations for Mathematics, Grade 10



Syllabus

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. This course will help a Catholic student to apply effective communication, decision-making, problem-solving, time and resource management skills as well as being able to examine and reflect on their personal values, abilities, and aspirations influencing life's choices and opportunities.

Topics Covered

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|----------------------------|--------------------------|-----------------------|-------------------|
| 1. Similarity | 2. Trigonometry | 3. Equations of Lines | 4. Linear Systems |
| 5. Quadratic Relationships | 6. Quadratic Expressions | 7. Measurement | |

Textbook

Foundations for Mathematics 10. McGraw-Hill Ryerson, 2007.

Recommended Materials

Notebook, Pen, Pencil, Scientific Calculator, Geometry Set, Internet Access*

Evaluation

Knowledge / Understanding (K/U): 20%	Communication (C): 15%
Application, Thinking & Inquiry, Problem Solving (ATIPS) : 35%	
Final Project: 10%	Final Exam: 20%

Classroom Policy / Assignment and Test Guideline

Full document available on the website (see below); outline on reverse of this page.

Contact

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I am on prep period 1 this semester; thus, late morning is the best time to call.