



Welcome to
Grade 10 Principles of
Mathematics
at Englehart High

What We Will Be Doing ...

Grade 10: MPM 2D

This course is broken down into 4 blocks of mathematical concepts:

- Similar Triangles and Trigonometry
- Solving Linear and systems of equations
- Quadratic Functions
- Plane Geometry

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning.

Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Student Expectations

It is the responsibility of all students to arrive prepared for every class. This includes; completing the assigned homework, arriving with all their materials to be an effective learner and participant, and have all notes and work up-to-date (especially after any missed classes).

If a student misses class for any reason, it is their responsibility to get caught up. This includes borrowing notes, and arranging time to write missed quizzes / tests.

Required Materials:

Scientific Calculator
Pencils, lined paper, rulers
Erasers
Graph Paper

How Will It Be Evaluated?

Rubrics identifying Level 1, 2, 3, 4 are used primarily for thinking skills, communication and learning skills. Mark grades are used more in math knowledge and application assessments.

Level 3 is defined as the Provincial Standard. Level 1 means that the student will receive credit for the work but has not demonstrated enough knowledge and / or ability to be successful at the next grade of mathematics. Below level 1 (below 50%) means that the student is not working towards achieving a credit in the course.

Student achievement is separated into four categories;

Knowledge—worth 35%

Thinking / Problem Solving / Inquiry—worth 15%

Communication—worth 15%

Application of the course content—worth 35%

These four categories make up the final report card mark out of 100. Tests and exams will count for more than simple quizzes and assignments.