

MTH 1W: Mathematics, Grade 9



Syllabus

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking. This course helps a Catholic school student to become a self-directed, responsible, lifelong learner who applies effective communication, decision-making, problem solving, time, and resource management skills.

Topics Covered

- | | |
|-----------------------------------|--------------------------|
| 1. Number Systems & Exponent Laws | 2. Polynomials & Algebra |
| 3. Solving Equations | 4. Linear Relationships |
| 5. Data Management | 6. Geometry |
| 7. Measurement | 8. Finance |

Textbook: MathPOWER 9 (online, through classroom)

Recommended Materials

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

Evaluation

Knowledge / Understanding (K/U): 15%	Communication (C): 15%
Application, Thinking & Inquiry, Problem Solving (ATIPS) : 35%	
Attendance and Participation: 15%	EQAO: 20%

Classroom Policy / Assignment and Test Guideline

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

Contact

Website: <http://mrkempe.x10host.com>
E-mail: gabe.kempe@bgcdsb.org
Phone (school): 519-376-4278

I am on prep period 1 this semester;
thus, mornings are the best time to
call.