



Standards and Procedures 2023-2024

Subject & Grade Level:	Math 309
Teacher:	Steven Robertson
School Year:	2023 - 2024

Message to Parents:

The successful study of high school mathematics requires both a high-level of focus in class, as well as a strong student commitment to studying and completing each and every assignment.

Important Reporting Dates:

Progress Report: October 16

Term 1 - Parent/Teacher interview: November 23, 2023

Term 2 - Parent/Teacher interview: February 22, 2024

Term 3 - Available online by June 25, 2024

Teacher Methods of Communication:

EMSB email / Phone call by request

Homework website: <https://sites.google.com/view/facehighschool309/home>

Term 1 - 20% of School Grade			
Competency Evaluated: Mathematical Reasoning			
Evaluation Methods/Tools	Topic / Skill Evaluated	Timeline / Frequency of Evaluations	Weight of Evaluation
1. Test evaluations	(See course content)	Weekly / regularly	80 %
2. Assignments	(See course content)	Daily / regularly	20 %



Term 2 - 20% of School Grade			
Midyear Exam: Mid-year Exam in January (TBD)			
Competency Evaluated: Mathematical Reasoning			
Evaluation Methods/Tools	Topic / Skill Evaluated	Timeline / Frequency of Evaluations	Weight of Evaluation
1. Test evaluations	(See course content)	Weekly / regularly	80 %
2. Assignments	(See course content)	Daily / regularly	20 %

Term 3 - 60% of School Grade			
Final Exams: 2 Final EMSB June Exams: C1 - Solves a Situational Problem C2 - Mathematical Reasoning			
Competency Evaluated: Mathematical Reasoning			
Evaluation Methods/Tools	Topic / Skill Evaluated	Timeline / Frequency of Evaluations	Weight of Evaluation
1. Test evaluations	(See course content)	Weekly / regularly	60%
2. Assignments	(See course content)	Daily / regularly	10%
3. Final C2 Exam	All topics learned	June 2024	30%
Competency Evaluated: Solves a Situational Problem			
Evaluation Methods/Tools	Topic / Skill Evaluated	Timeline / Frequency of Evaluations	Weight of Evaluation
1. Test evaluations	All topics learned	Occasionally	70%
2. Final C1 Exam	All topics learned	June 2024	30%

Late work policy:

Assignments are expected to be completed on time. Late assignments will be accepted with a valid reason. Mark deductions are possible for non-justified late assignments.



Commission scolaire
English-Montréal
English Montreal
School Board

Secondary Mathematics Course Content Mathematics 306

2023 -2024

Topic 1 – Numbers and Pythagorean Theorem

- Set of numbers (low priority)
- Measures of the side of a right triangle
- Exponential notation
- Laws of exponents
- Scientific notation (low priority)

Topic 2 – Algebraic Expressions

- Polynomial operations
- Manipulating algebraic expressions
- Expanding: multiplication of algebraic expressions
- Factorization: Finding the common factor

Topic 3 – Relations and Functions

- Relation, inverse and function
- Independent and dependent variables
- Types of representation
- Properties of functions in context
- Polynomial function of degree 0 or 1
- Rate of change
- Solving first-degree equations in one variable
- Finding the rule of a polynomial function of degree 1
- Modeling a situation using a polynomial function of degree 0 or 1
- Rational (Inverse variation) function

Topic 4 – Equations and Inequalities

- System of equations
- Constructing a system of equations
- Solving a system of equations: graph, table of values
- Solving a system of equations: method of comparison
- Inequalities
- Rule for transforming inequalities
- Solving inequalities

Topic 6 – Area of Solids

- Right circular cone and sphere
- Decomposable solids
- Lateral area and total area

Topic 7 – Volume of solids

- Area and volume
- Choice of unit of measure for volume
- Capacity
- Volume of a right prism and cylinder
- Volume of a right pyramid, cone and ball
- Volume of a decomposable solid
- Similar solids
- Cube root

Topic 8 - Statistics

- Table of condensed data
- Table with data grouped into classes
- Types of graphs
- Measures of central tendency
- Measures of dispersion: interquartile range (low priority)
- Quartiles
- Box-and-whisker plot