



## ÉCOLE FACE SCHOOL

3449 Rue University, Montréal, QC H3A 2A8, Tel: (514) 350-8899

<https://face.emsb.qc.ca/face>

### Standards and Procedures

Subject :	<b>Mathematics</b>
Teacher (s) :	<b>Mr. Santo</b>
Grade:	<b>Grade 9</b>
School Year :	<b>2025-2026</b>

#### Term 1 (20%)

**General Timeline:** *August 28<sup>th</sup>, 2025 – November 6<sup>th</sup>, 2025*

**Competencies evaluated:** Uses mathematical reasoning, Communicates by using mathematical language

**Cross Curricular Competencies:** To Use Information, To Solve Problems, To Use Creativity, To Adopt Effective Work Methods, To Communicate Appropriately

#### Term 2 (20%)

**General Timeline:** *November 10<sup>th</sup>, 2025 – February 6<sup>th</sup>, 2026*

**Competencies evaluated:** Uses mathematical reasoning, Communicates by using mathematical language

**Cross Curricular Competencies:** To Use Information, To Solve Problems, To Use Creativity, To Adopt Effective Work Methods, To Communicate Appropriately

#### Term 3 (60%)

**General Timeline:** *February 9<sup>th</sup>, 2026 – June 22<sup>nd</sup>, 2026*

**Competencies evaluated:** Uses mathematical reasoning, Communicates by using mathematical language

**Cross Curricular Competencies:** To Use Information, To Solve Problems, To Use Creativity, To Adopt Effective Work Methods, To Communicate Appropriately

**Evaluation Methods:** *Formative and Summative*

**TERM 1 (20% of School Grade):**



Competency 1 – No evaluations in Term 1

Competency 2 (100% of term 1 Grade)

- In-class/Take-home Assignments throughout the term – 10%
- Quizzes – 3 (or more) – 40%
- Tests – 1 (or more) – 50%

**TERM 2 (20% of School Grade):**

Competency 1 (30% of Term 2 Grade) – 2 or more in-class Situational Problems

Competency 2 (70% of Term 2 Grade)

- In-class/Take-home Assignments throughout the term – 10%
- Quizzes – 3 (or more) – 30%
- Tests – 2 (or more) – 30%
- Mid-Year Exam (TBD) – 30%

**TERM 3 (60% of School Grade):**

Competency 1 (30% of Term 2 Grade)

- In-class Situational Problems – 2 (or more) – 70%
- Final C1 Exam – 30%

Competency 2 (70% of Term 2 Grade)

- In-class/Take-home Assignments throughout the term – 10%
- Quizzes – 3 (or more) – 30%
- Tests – 2 (or more) – 30%
- Final C2 Exam – 30%

**Comments about MEQ Evaluations:**

Competency 1 Evaluations are often referred to as Situational Problems. These are longer problems that require more steps, decision making, and organization.

Competency 2 Evaluations involve class quizzes and tests. These will often mirror what students will see on Midyear or Final Exams (past exam questions) and follow the same format and expectations so that students can develop a familiarity.

In both cases, refer to the Pacing Guide which outlines what topics will be covered in sequential order. Our class periods are 60 minutes long, and each topic is further outlined by specific skills or concepts that will be covered (see below).



### Communication to Students and Parents:

Communication is generally through Google Classroom, in which students are already enrolled. For direct contact, feel free to email me at [vsanto@emsb.qc.ca](mailto:vsanto@emsb.qc.ca) where I'd be glad to touch base, keep you updated, or answer any questions you may have for me.

### Materials/Routines/Other:

Students are asked to have all class materials (binder, notebook(s), class books, pencil case) at the beginning of every class.  
The Grade 9 Math workbook is Math 3000. We refer to this workbook for class notes and exercises as well as homework.

	TOPIC	# of Periods (75 min.)	# of Periods (50 min.)	Approx. Finish Date	COMMENTS
1	Statistics	8	12	Sept. 20	
2	Probability	6	9	Oct. 11	
3	Numbers & Algebra	30	40	Dec. 20	Term 1 ends Nov
4	Relations & Functions	24	32	Feb. 14	Term 2 ends Feb
5	Systems of Equations	8	12	Feb. 28	
6	Area of Solids & Spatial Sense	15	20	April 11	
7	Volume of Solids	15	20	May 16	
*	End-of-Year Review	5	8	June 6	
*	EMSB End-of-Year Assessment			June	EMSB June exams Topics 1 – 7

#### Topic 1 - Statistics

- Sampling methods: survey, census, stratified, cluster
- Experimental and theoretical data



- Organizing data: table of condensed data, grouped into classes, histogram, box-and-whisker plot
- Measures of central tendency: mode, median, weighted mean
- Measures of dispersion: range, interquartile range

### **Topic 2 - Probability**

- Continuous or discrete random variable
- Theoretical and experimental probability
- Probability of an event
- Simple arrangement, permutation, combination (based on reasoning, not formulas)
- Geometric probability

### **Topic 3 – Numbers & Algebra**

- Exponential notation
- Scientific notation
- Laws of exponents
- Cube roots and irrational numbers
- Polynomial operations
- Factoring: Finding the common factor
- Solving first-degree equations in one variable
- Inequalities, set notation, interval notation, number line
- Solving inequalities

### **Topic 4 – Relations & Functions**

- Relation, function and inverse of a function
- Independent and dependent variables
- Types of representations (table of values, graph, equation, mapping)
- Properties of functions in context
- Direct, partial, inverse (rational), constant
- Finding the rule of a first degree polynomial function
- Modeling a situation using linear function

### **Topic 5 – Systems of Equations**

- Constructing a system of equations
- Solving a system of equations: by graphing, using a table of values, and comparison method

### **Topic 6 – Area of Solids & Spatial Sense**

- Pythagorean Theorem
- Nets and Area
- SI units and conversion
- Projection and perspective
- Prisms, pyramids, cylinders review
- Right circular cone and sphere
- Decomposable solids
- Lateral area and total area
- Similar figures

### **Topic 7 – Volume of solids**

- Area and volume
- Capacity, SI units, and conversion
- Volume of a right prism and cylinder
- Volume of a right pyramid, cone and sphere



- Volume of a decomposable solid
- Similar solids



Commission scolaire English-Montréal  
English Montreal School Board