Westmount High School

STANDARDS & PROCEDURES WORKSHEET

Subject:	**Mathematics 126**
Grade:	Secondary 1 (C1, Y1)

<table>
<tr><th colspan="2">Term 1 (20%)</th></tr>
<tr><td>Competencies Targeted</td><td>Evaluation Methods (e.g., End-of-term Evaluation Situation, Tests, Projects)</td></tr>
<tr><td>Competency 1: (30%) Solves a Situational Problem
Competency 2: (70%) Mathematical Reasoning</td><td>● homework/class work
● quizzes
● unit tests</td></tr>
<tr><td>Communication to Students and Parents (e.g., note home, website, agenda, report cards)</td><td rowspan="2">Other Pertinent Information (e.g., topics to be covered)
<u>Natural Numbers</u>
• Estimation and rounding
• Number order (<, >, =)
• Addition and subtraction
• Multiplication and division
• Commutative, distributive, associative properties
• Properties of divisibility (2,3,4,5,10)
• Exponents and exponential notation
• Prime and composite numbers
• Factorization and prime factorization
• Common divisors and common multiples (LCM, GCF)
• Order of operations
• Translates a situation using order of operations
<u>From Integers to the Cartesian Plane</u>
• Integers and order (number line)
• Cartesian plane
• Addition and subtraction (properties)
• Multiplication and division (properties)
• Exponents (the difference between with brackets and without brackets)
• Order of operations</td></tr>
<tr><td>● notes home
● website
● report cards
● phone calls (when necessary)
● Google Classroom</td></tr>
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Term 2 (20%)	
Competencies Targeted	***Evaluation Methods (e.g., End-of-term Evaluation Situation, Tests, Projects)***
Competency 1: (30%) Solves a Situational Problem Competency 2: (70%) Mathematical Reasoning	● homework/class work ● quizzes ● unit tests/project ● situational practice problems ● mid-year examination
Communication to Students and Parents (e.g., note home, website, agenda, report cards)	***Other Pertinent Information (e.g., topics to be covered)*** **<u>Fractions</u>** • Fraction & mixed number • Equivalent fractions • Comparing fractions and common denominators • Addition and subtraction of fractions • Multiplication and reduction of fractions • Reciprocal of a fraction • Division of fractions • Integer exponents • Converting one form of notation into another (from fractional to percentage notation, and vice versa) • Order of operations **<u>Decimal Numbers</u>** • Decimal notation and decimal fraction • Place value, order and rounding • Converting one form of notation into another (from decimal to fractional notation, from decimal to percentage notation, and vice versa) • Finds the percentage of a number • Multiplication and division by powers of 10 • Order of operations
● notes home ● website ● report cards ● phone calls (when necessary) ● Google Classroom	

<table>
<tr><th colspan="2">Term 3 (60%)</th></tr>
<tr><td>Competencies Targeted</td><td>Evaluation Methods (e.g., End-of-term Evaluation Situation, Tests, Projects)</td></tr>
<tr><td>Competency 1: (30%) Solves a Situational Problem

Competency 2: (70%) Mathematical Reasoning</td><td>● homework/class work
● quizzes
● unit tests/project
● situational practice problems
● final exam</td></tr>
<tr><td>Communication to Students and Parents (e.g., note home, website, agenda, report cards)
● notes home
● website
● report cards
● phone calls (when necessary)
● Google Classroom</td><td rowspan="2">Other Pertinent Information (e.g., topics to be covered
<u>Statistics</u>
• Determines and interprets range, minimum, and maximum of a sample
• Organizes and presents data using a table presenting variables or frequencies
• Describes the concept of arithmetic mean
• Calculates and interprets arithmetic mean
• Read & construct bar graphs and broken-line graphs
• Read circle graphs
<u>From Numerical Series to Rules</u>
• What is an unknown
• Describes the role of components of a rule (variable, constant, coefficient)
• Recognizes that a table, a graph, and a rule are interrelated
• Calculates the numeric value of a rule (using a given rule, replace the unknown to find the numeric value)
<u>Lines and Angles</u>
• Angles
• Parallel lines & Perpendicular lines
• Perpendicular bisector and bisector
• Angles formed by a transversal line (complementary, supplementary, adjacent, vertically opposite, alternate interior, alternate exterior and corresponding)
Topic 8 – Triangles and Quadrilaterals
• Define and classify triangles and quadrilaterals
• Median and altitude
• Sum of angles in a triangle
• Quadrilateral and sum of angles in a quadrilateral
• Properties of quadrilaterals
• Perimeter
• Relationships between SI units length to length
• Area of a triangle, rectangle, square, parallelogram, rhombus and trapezoid</td></tr>
<tr><td>End of Year Evaluation (e.g., complementary exam, uniform exam, etc.)

Two (2) End of Year Exams:

Competency 1 Exam - Solving a Situational Problem –In class, near the end of May

Competency 2 Exam –Reasoning - School created exam during the June exam period - Consists of Multiple choice questions, short answer questions and multi-step questions.</td></tr>
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Additional Information / Specifications (e.g., materials required):

Materials Needed for Class:

- Basic Supplies (Pencils, Pens, eraser, sharpener etc)
- Notebooks
- Binder
- Loose leaf
- Graph Paper
- Geometry set - including ruler, compass and protractor
- Math Help Services(MHS): www.math-help-services.org
- Google Classroom
- Agenda

Google Classroom & Math Help Services (MHS)
This course has an accompanying Google Classroom that students can access using their EMSB account (username and password) at classroom.google.com and a MHS account.

- Students may be able to access some course materials and submit some work on the Google Classroom platform and/or MHS for evaluation.
- Each student is expected to be able to independently login into Google Classroom and MHS.
- Each student has the responsibility to access the coursework online in the Google Classroom and/or MHS and submit any assignments, particularly in the event of another school or classroom closure. Teachers will be available to accompany students in their learning.