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COMMISSION SCOLAIRE WESTERN QUÉBEC SCHOOL BOARD

VIRTUAL CAMPUS

Standards and Procedures for the 2025-2026 School Year

Math Science Option, Secondary 5

Evaluation and Weighting of Competencies:

Subject Competencies	Term 1 (20%)	Term 2 (20%)	Term 3 (60%)
Solves a situational problem (30%)	Situational problem (NE)	Situational problems (100%)	Situational Problems (70%) Final exam (30%)
Uses mathematical reasoning (70%)	Unit tests (55%) Assignments (20%) Class Work (10%) Homework (15%)	Unit tests (55%) Assignments (20%) Class Work (10%) Homework (15%)	Unit tests (40%) Assignments (15%) Class Work (7%) Homework (8%) Final exam (30%)

General Information regarding evaluation:

In addition to handed-in assignments, there will be ongoing formative assessments in the form of online assignments, class discussions, assignments completed using GeoGebra/Desmos/ClassKick, and group assignments completed during class.

Textbook: Visions 1 & 2

- WQSB Virtual Campus teachers provide instruction and evaluation for this course.
- The Virtual Campus respects the timetable for report cards identified by each school.
- Online students will write exams, where required by the local school, to evaluate Competencies 1 and 2 in June according to the provincial schedule.
- Supervision of tests will be provided by the local school.
- Students must complete their own work and complete evaluations independently. In cases of cheating:
  - First time, students involved will be given zero on the assignment/test with the opportunity to re-do assignment for maximum of 60%. School/family will be informed.
  - Second time, students involved will be given zero and additional consequences.

Online Context: Self-Paced Online Classes – 250 minutes of in-school work per week, including 1 30-minute live instructional session

PROGRESSION OF LEARNING (Compulsory Concepts) – MATH SN 5

Arithmetic (Term 1, 2, & 3)

- Radical numbers, rational exponents, logarithms

Algebra

Term 1 & 2

- Absolute value function: $f(x) = a|b(x-h)| + k$
- Square root function $f(x) = a\sqrt{b(x-h)} + k$
- Rational functions $f(x) = \frac{a}{b(x-h)} + k$
- Equations and inequalities in one and two variables
- Operations on functions (including composition)
- Systems of first-degree inequalities in two variables
- Exponential function: $f(x) = ac^{b(x-h)} + k$
- Logarithmic function: $f(x) = a\log_c b(x-h) + k$

Term 3

- Sinusoidal function: $f(x) = a\sin b(x-h) + k, f(x) = a\cos b(x-h) + k$
- Tangent function: $f(x) = a\tan b(x-h) + k$
- Trigonometric equations and inequalities that can be expressed as a sine, cosine or tangent function

Analytic geometry

Term 3

- Conic (centred at the origin and translated): parabola
- Conics (centred at the origin): circle, ellipse and hyperbola
- Standard unit circle and trigonometric identities
- Radians and degrees

Term 1

- Vector (resultant, projection and operations)
- Vector (linear combinations and properties)