



**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:** Real-Time – Live 50-minute Online Classes every day – Monday to Friday

<b>PROGRESSION OF LEARNING (Compulsory Concepts) – MATH SN 5</b>
<b>Arithmetic</b> (Terms 1, 2, & 3) <ul style="list-style-type: none"><li>• Radical numbers, rational exponents, logarithms</li></ul>
<b>Algebra</b> Term 1 & 2 <ul style="list-style-type: none"><li>• Absolute value function: <math>f(x) = a b(x - h)  + k</math></li><li>• Square root function <math>f(x) = a\sqrt{b(x - h)} + k</math></li><li>• Rational functions <math>f(x) = \frac{a}{b(x-h)} + k</math></li><li>• Equations and inequalities in one and two variables</li><li>• Operations on functions (including composition)</li><li>• Systems of first-degree inequalities in two variables</li><li>• Exponential function: <math>f(x) = ac^{b(x-h)} + k</math></li><li>• Logarithmic function: <math>f(x) = a\log_c b(x - h) + k</math></li></ul> Term 3 <ul style="list-style-type: none"><li>• Sinusoidal function: <math>f(x) = a \sin b(x - h) + k, f(x) = a \cos b(x - h) + k</math></li><li>• Tangent function: <math>f(x) = a \tan b(x - h) + k</math></li><li>• Trigonometric equations and inequalities that can be expressed as a sine, cosine, or tangent function</li></ul>
<b>Analytic geometry</b> Term 3 <ul style="list-style-type: none"><li>• Conic (centered at the origin and translated): parabola</li><li>• Conics (centered at the origin): circle, ellipse, and hyperbola</li><li>• Standard unit circle and trigonometric identities</li><li>• Radians and degrees</li></ul> Term 1 <ul style="list-style-type: none"><li>• Vector (resultant, projection, and operations)</li><li>• Vector (linear combinations and properties)</li></ul>