

Level of Instruction: Intermediate

Curriculum Overview

The Grade 9 Mathematics Program builds upon skills developed in previous grades. Topics in the programs (Grades K-9) are organized into four strands: Number, Patterns & Relations, Shape & Space, and Statistics & Probability. Activities that take place in the mathematics classroom should stem from a problem-solving approach and lead to an understanding of the nature of mathematics through specific knowledge, skills and attitudes among and between stands.

Authorized Learning Resources

- Curriculum Guide for Grade 9 Mathematics
http://www.ed.gov.nl.ca/edu/k12/curriculum/guides/mathematics/grade9/Mathematics_Grade9_Curriculum_Guide.pdf
- *Math Makes Sense 9* (Pearson Education Canada, 2009)
{Student Edition, ProGuide with CD-ROM and DVD, Practice and Homework Book – Reproducible Edition and Teacher’s Edition}

Course Sequence

Unit	Topic	Chapters in text	Approximate # of Weeks of Instruction (including evaluation)	Evaluation Weighting	Approximate Completion Date (2014-2015)
1	Square Roots and Surface Area	1	3	10%	Oct. 1 st
2	Powers and Exponent Laws	2	3	10%	Oct. 30 th
3	Rational Numbers	3	4	14%	Dec. 3 rd
4	Linear Relations	4	4	13%	Jan. 21 st
5	Polynomials	5	3	10%	Feb. 18 th
6	Linear Equations and Inequalities	6	4	13%	March 20 th
7	Similarity and Transformations	7	4	13%	April 30 th
8	Circle Geometry	8	3	10%	May 22 nd
9	Probability and Statistics	9	2	7%	June 5 th

Recommended Assessment and Evaluation: (Central Region)

In the Central region, the evaluation of this course is governed by the Student Assessment, Evaluation, and Reporting Policy of the NLESD – Central Region. (http://www.ncsd.ca/docs/policy-new/800.9_policy.pdf)

Note:

1. Course evaluation shall reflect the percent unit allocations.
2. Final examinations shall be constructed based on a 2 hour timeframe.
3. All evidence of learning shall be considered when determining a student's final grade. Averaging shall not be used as a sole indicator of a student's level of attainment of the course outcomes.

Tests/Quizzes	40%
Cumulative Assessment (Late January)	10%
Final Exam (June)	20%
Other Forms of Assessment (Could include, but is not limited to, labs, interviews, assignments, portfolio entries, journal entries, presentation, projects. Should NOT include quizzes.)	30%