Math 9 Course Outline

Course Description: Mathematics is present in all aspects of our lives. It is my hope that throughout this course you will be able to confidently complete the following Units and their specified outcomes.

Class Expectations:

- Come to class with the required resources (paper, pencil, eraser, highlights, colours, calculator, protractor, etc.)
- Keep your camera on and be an active participant in class
- Complete all assigned work (Formative and summative)

Coursework - This mark consists of summative assessments (chapter tests and projects) taken throughout the year. There will be formative assessments (practice work to allow students to see how well they know the outcomes and to prepare for tests). The course work is broken down as follows:

Overview	Topic	Weighting	Months
Coursework (80%)	**Number Concepts and Operations** Rational numbers, including common fractions, integers, and whole numbers the application of the four basic arithmetic operations to rational numbers to solve real-world problems ratio, rate, percentage and proportions to solve problems in practical contexts	25%	September - November
	Patterns and Relations The use of patterns, variables, expressions, equations, and graphs to solve problems solving and verifying one-step and two-step linear equations that have rational number solutions	25%	November - February
	Shape and Space The Pythagorean relationship to solve measurement problems patterns in measurement and circle geometry. Surface are of 3 dimensional shapes and scale and proportion problems.	20%	March - May
	Statistics and Probability Developing and implementing a plan for the collection, display, and analysis of data, using technology as required the use of measures of central tendency and variability the theoretical and experimental probability of independent events.	10%	May - June
Final Exam (20%)	There are two parts to the final exam which will come in the form of the Provincial Achievement test.	20%	June

Note: Throughout each unit there will also be an emphasis on Problem Solving a variety of methods to solve real-life, practical, technical, and theoretical problems. There will also be a

secondary focus on students being able to complete all outcomes without the use of a calculator.