

Course Outline
Grade 7 Mathematics
Wilson Middle School

Course Description

The grade seven mathematics curriculum is a pre-algebra program. This program of study is designed to prepare students for further advancement into the mathematics eight program. It is intended to increase problem solving skills, build upon mathematical confidence and value math within their world. It is our endeavor to incorporate problem solving in every unit throughout the school term.

Text Book

Math Focus 7: Nelson. 2008

Year at a Glance

Chapters Covered	Main Topics
Problem Solving Chapter 1 Number Relationships	Divisibility Rules Factors Multiples Finding Patterns
Chapter 2 Fractions	Add/Subtract Fractions Comparing and Ordering Finding Patterns Mixed Numbers Improper Fractions
Chapter 3 Decimals	Add/Subtract Decimals Multiply/Divide Order of Operations Comparing and Ordering Converting Fractions to Decimals
Chapter 4 Percent	Adding/Subtracting Multiplying/Dividing Order of Operations Percents as Fractions and Decimals
Chapter 5 Measurement	Perimeter, Area, Circumference Parallelograms Circles Triangles
Chapter 6 Integers	Adding /Subtracting Comparing/Ordering

Chapter 7 2 D Geometry	Translations Reflections Rotations Positions on a Grid Angle Geometry Parallel Lines
Chapter 8 Statistics	Mean Median Mode
Chapter 9 Linear Relations and Equations	ALGEBRA Possible Values Patterns Linear Graphs Mental Math
Chapter 10 Probability	Represent as Fractions/Percents Independent Events Tree Diagrams Experimental vs. Theoretical
Chapter 11 Circle Graphs	Interpreting Exploring Constructing Communicating

Evaluation Breakdown:

Assignments	20%
Quizzes	20%
Unit Exams	40%
Final Exam	20%

Student Expectations

The students are expected to come prepared to all classes and participate in the program to the best of their ability. Due to the nature of the subject, students can expect to be assigned homework on a regular basis.

We anticipate an excellent year!