

ATFS Math Curriculum

	Grade KG	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
	Level A		Level 1		Level 2		Level 3		
September Unit 1	Readiness (Numbers Introduction)	All Operations (single digit addition and subtraction)	All Operations (Single digit addition, subtraction, multiplication and division)	All Operations (Double digit addition and subtraction – Single digit multiplication and division)	All Operations (3 digit addition and subtraction review, two digit multiplication and 2 digit division with single digit divisors)	All Operations (4 digit addition and subtraction review, 2 digit multiplication and long division)	All Operations (Multiple addends, three digit multiplication and long division)	All Operations with integers (positive and negative number addition, subtraction, multiplication and division)	All Operations with integers (positive and negative number addition, subtraction, multiplication and division)
October Unit 2	Numbers (Counting, before and after, number charts and comparisons)	Time (Time by the hour, half hour and Elapsed time)	Time (By 15 minutes, 10 minutes, 5 minutes, by the minute and elapsed time)	Time (by the minute on a Roman clock, only four numbers using hundred hours and time stories)	Time (Elapsed Time)	Factors (Factors and multiples, GCF and LCM)	Algebra (Introduction to functions, equations, and polynomials)	Order Of Operations (PEMDAS including negatives and exponents)	Order Of Operations (PEMDAS including negatives and exponents)
November Unit 3	Addition (Single digit with pictures, and no carry overs)	Money (Counting with pennies to Quarters)	Money (Counting half dollars, mixed coins and comparing money)	Money (Comparing money, money in decimal form, adding money in decimal form with carry overs)	Fraction Concepts (Equivalent fractions, mixed and improper fractions)	Fraction Operations (addition and subtraction)	Exponent (concepts, comparisons and scientific notation)	Equations (including application of PEMDAS with multiple operations)	Equations (including decimals and multiple terms with variables)
December Unit 4	Time (Time by the hour)	Graphs (pictographs, bar graphs, and table graphs)	Subtraction (regrouping practice including word problems)	Multiplication (single digit practice including word problems)	Fraction Concepts (Comparing fractions, fractions and decimals)	Fraction Operations (multiplication and division)	Rates and ratios (Ratios, proportions, and scale factors)	Word problems 1 (challenging word problems – solve using mental math or algebra techniques)	Simplifying expressions. Solving equations graphing linear equations graphing inequalities
January Unit 5	2D Shapes	Addition (2 digit with no regrouping)	Multiplication (single digit and as repeated addition)	Division (long division with single digit divisors)	Measurements (Length, Temperature, Capacity and weight including unit conversions)	Decimal Operations (adding, subtraction, multiplying and dividing)	Percents (concepts and conversions from decimals and fractions)	Word problems 2 (challenging word problems – solve using mental math or algebra techniques)	Solving systems of equations and inequations

