

ST. JOHN THE BAPTIST CATHOLIC SCHOOL

School-Wide Mathematics Curriculum – Grade 2

Trimester	Content	Essential State Standard	Strands	Strategies	Assessments
I	Algebra & Functions	1.0 Students model, represent, and interpret number relationships to create and solve problems involving + and -.	1.1 Use cumulative and associative rules. 1.2 Relate problem situation to number sentence. 1.3 Solve +, - by using data from graphs, charts, and number sentences.	Manipulative Overhead projector Whole class instruction Small group instruction	Create graphs and use to solve word problems Written tests
I	Statistics/Data/Analysis/Probability	1.0 Students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations.	1.1 Record data in systematic way (use of tallies) 1.2 Identify range and mode 1.3 Ask and answer simple questions about data represented on graphs.	Create graphs Use tallies	Students create a graph, including the process of gathering data.
I		2.0 Students demonstrate an understanding of how patterns grow and describe them in general ways.	2.1 Recognize, describe, and extend patterns and determine a next term. 2.2 Solve problems involving simple number patterns.	Manipulative	Solve problems involving determining a next term either on a written test or with manipulatives

II	Mathematical Reasoning	2.0 Students solve problems and justify their reasoning	2.1 Defend the reasoning used and justify the procedure selected. 2.2 Make precise calculations and check the validity of the results	Class demonstrations Overhead projector	Written test Oral tests Working with partners
II	Number Sense	5.0 Students model and solve problems by representing, adding, and subtracting amounts of money.	5.1 Solve problems using combination of coins and bills 5.2 Know and use decimal notation and dollar and cent symbols.	Use coins Overhead projector	Count change Written tests
III	Number Sense	1.0 Students understand the relationship between numbers, quantities, and place value in whole numbers up to 1,000.	1.1 Count, read, and write numbers to 1,000 1.2 Use words, models, and expansion form 1.3 Order and compare whole numbers	Use number charts Classroom instruction	Written assignment/tests

III	Number Sense	2.0 Students estimate, calculate, solve problems involving addition, subtraction of two and three-digit numbers	2.1 Understand inverse relationship between addition and subtraction. 2.2 Find sum of difference of whole numbers. 2.3 Use mental math to solve addition and subtraction.	Classroom instruction Small group instruction	Written test
III	Measurement and geometry	1.0 Students understand that measurement is accomplished by identifying a unit of measure, iterating that measure and comparing it to the item to be measured.	1.1 Measure objects 1.2 Use different units to measure same objects. 1.3 Measure to the nearest inch. 1.4 Determine measured interval of time.	Classroom instruction Small group instruction Small group/pairing activities Hands-on activities	Use units of measure to determine the size of specific objects. Skills testing with hands on tasks.