Mary Queen of Peace Curriculum--Math 2nd Grade

High Priority Standards: (State, National, CCSS)

Numbers & Operations

Learning Goal	Learning Targets
Students will count number sets. **Students will represent numbers.** **Students will compare and order numbers.** **Students will demonstrate place value.**	1. Group objects and numbers up to 1,000 into hundreds, tens and ones. 2. Use place-value models to create equivalent representations of numbers. 3. Represent numbers to 1,000 on a number line. 4. Count to 1,000. 5. Count by multiples of ones,fives, tens and hundreds starting from various values. 6. Compare and order whole numbers to 1,000. 7. Use <, > and = to compare whole numbers. 8. Use base-ten models and place-value charts to represent numbers to 1,000. 9. Read and write numbers to 1,000 using base ten numerals, number names and expanded form.
Learning Goal	Learning Targets
Students will use addition and subtraction operations with whole numbers to solve problems.	1. Model addition and subtraction with place value 2. Recall addition and subtraction facts. 3. Use different methods to develop fluency in adding and subtracting multi-digit numbers. 4. Add and subtract whole numbers to 1,000. 5. Solve multi-digit addition and subtraction problems. 6. Fluently add and subtract within 20.

Learning Goal	Learning Target
Students will use estimation and rounding to complete addition and subtraction problems.	1. Use mental math strategies to round to nearest hundred 2. Estimate to the nearest tens
Learning Goal **Students will identify the value of coins and dollar bills and solve problems.**	Learning Target 1. Identify $1, $5, $10, and $20 bells. 2. Count and make combinations of coins and bills. 3. Compare money amounts. 4. Use the dollar sign and decimal point. 5. Solve addition and subtraction money problems. 6. Use money symbols correctly.
Learning Goal Students will identify halves, thirds and fourths and recognize equal shares.	Learning Target 1. Connect geometric concepts with unit fractions halves, thirds, and fourths. 2. Understand the relationship between a fraction and a whole..

Data Analysis

Learning Goal	Learning Targets
Students will collect, classify, organize, represent, interpret and analyze data.	1. Collect and organize data in picture graphs. 2. Collect and organize data in different ways. 3. Represent data in picture graphs. 4. Interpret picture graphs with scales. 5. Solve real-world problems using picture graphs.

Algebraic Thinking

Learning Goal	Learning Target
Students will demonstrate patterns and properties.	1. Describe, extend and create two-dimensional shape patterns. 2. Identify rules for number patterns. 3. Find missing terms in tale patterns. 4. Understand that addition and subtraction are inverse operations. 5. Apply properties of addition. 6. Use the Distributive Property as a multiplication strategy.
Learning Goal	Learning Targets
Students will solve for unknowns in a number sentence.	1. Recognize how bar models show relationships between numbers and unknowns in number sentences.
Learning Goal	Learning Targets
Students will create and solve number Sentences, equations and inequalities.	1. Use bar models and number sentences to represent real-world problems. 2. Determine the value of missing quantities in number sentences. 3. Use and create models that demonstrate equality or inequality. 4. Use <, >, and = to write number sentences.

Geometry & Measurement

Learning Goal	Learning Targets
Students will tell time to the nearest five minutes and solve problems. **Students will find elapsed time and solve problems.**	1. Use A.M and P.M. to write time. 2. Tell time to five minutes. 3. Find elapsed time.
Learning Goal	Learning Targets
Students will identify lines and curves.	1. Identify parts of lines and curves.
Learning Goal	Learning Targets
Students will identify, sort, describe and classify two and three-dimensional shapes.	1. Identify, describe, sort, & classify two-dimensional shapes by properties. 2. Compose & decompose two-dimensional shapes. 3. Identify, describe, sort, and classify three-dimensional shapes by properties.
Learning Goal	Learning Targets
Students will measure length and perimeter in meters, centimeters, feet and inches and solve problems.	1. Demonstrate linear measures as iteration of units. 2. Use rulers to measure lengths. 3. Measure lengths in meters, centimeters, feet & inches. 4. Compare and measure lengths using customary and metric units. 5. Solve problems involving estimating, measuring and comparing length. 6. Develop foundation for understanding area.
Learning Goal	Learning Targets

Students will measure volume in cups, pints, quarts, gallons and liters and solve volume problems.	1. Measure capacity in cups, pints, quarts, gallons and liters.. 2. Solve volume problems.
Learning Goal	Learning Targets
Students will measure mass in grams, kilograms and ounces and solve problems.	1. Compare and measure masses. 2. Solve mass problems