CURRICULUM UNIT MAP

1ST QUARTER

COURSE TITLE: Mathematics **GRADE: 5**

Unit Title and Objectives	List CLTs for Each Objective	Brief Description of Formative Assessment(s)	End-of-Unit Benchmark or Performance Assessment
Unit: 1 Place Value **WEEKS 1-4 OBJECTIVES** Read, write and compare whole numbers less than 1,000,000 Recognize equivalent representations for the same number by composing and decomposing numbers Estimate and justify sums and differences of whole numbers Using addition/subtraction represent a mathematical situation as an expression or number sentence using a letter or symbol	Compare and order numbers through millions Identify numbers through 999,999 Write expanded form through billions Write Equivalent forms of numbers Add and subtract whole numbers to the billions place Round whole numbers to specific place values or apply front end estimation in rounding Work out and draw word problems with addition and subtraction Write equations with variables	Teacher made notes page demonstrating knowledge of each CLT Clicker quiz on forms of numbers Worksheet on word problems Clicker Quiz on variables Row Race Game on rounding Study Guide for benchmark	End of Unit Place Value Benchmark
Unit : 2 Decimals **WEEKS 5-8 OBJECTIVES** Read, write and compare decimals to the hundredths Demonstrate fluency with efficient procedures for adding and subtracting decimals of whole numbers Describe the effects of addition and subtraction of decimals Using multiplication represent a mathematical situation as an expression or number sentence using a letter or symbol Estimate and justify sum and differences of decimals	Identify decimals through hundredths Compare/order decimals through the hundredths Add and subtract decimals through thousandths Work out and draw Word problems with decimals and money Locate decimals on a number line Solve Equations with variables for unknown Round decimals to specific place values or apply front end estimation in rounding	Teacher made notes page demonstrating knowledge of each CLT Clicker quiz on identifying comparing/ordering and adding and subtracting decimals Worksheet on locating decimals on a number line Worksheet on word problems Row Race Game on rounding decimals Study Guide for benchmark	End of Unit Decimals Benchmark

Unit: 3 Multiplication **WEEK 9 OBJECTIVES** Demonstrate fluency with efficient procedures for multiplying whole numbers Using multiplication represent a mathematical situation as an expression or number sentence using a letter or symbol Estimate and justify products	Solve Grid multiplication to show distributive property Solve traditional multiplication Write variables to represent verbal expressions Write and solve equations with variable for unknown Solve word problems for multiplication Estimate products using rounding or front end estimation Write fact families with multiplication Show Commutative properties of multiplication	Teacher made notes page demonstrating knowledge of each CLT Daily multiplication quizzes Worksheet on grid multiplication Clicker Quiz on variables Row Race Game traditional multiplication problems Study Guide for benchmark	

CURRICULUM UNIT MAP
2nd QUARTER

COURSE TITLE: Mathematics **GRADE: 5**

Unit Title and Objectives	List CLTs for Each Objective	Brief Description of Formative Assessment(s)	End-of-Unit Benchmark or Performance Assessment
Unit: 3 Multiplication (Cont.) **WEEKS 1-3 OBJECTIVES** Demonstrate fluency with efficient procedures for multiplying whole numbers Using multiplication represent a mathematical situation as an expression or number sentence using a letter or symbol Estimate and justify products	Solve Grid multiplication to show distributive property Solve Traditional multiplication 3 digit by 2 digit problems Write Variables to represent verbal expressions Write and solve equations with variable for unknown Solve Word problems for multiplication Estimate products using rounding or front end estimation Write fact families with multiplication Show Commutative properties of multiplication	Teacher made notes page demonstrating knowledge of each CLT Daily multiplication quizzes Worksheet on grid multiplication Clicker Quiz on variables Row Race Game traditional multiplication problems Study Guide for benchmark	End of Unit Multiplication Benchmark
Unit: 4 Characteristics of numbers **WEEKS 4-5 OBJECTIVES** Describe numbers according to their characteristics including whole numbers common factors and multiples, prime or composite and square numbers	Find Common factors of numbers Find Common multiples of numbers Recognize prime numbers Recognize Composite numbers Recognize Square numbers	Teacher made notes page demonstrating knowledge of each CLT Clicker quiz on prime/ composite/square numbers Study Guide for benchmark	End of Unit Characteristics of Numbers Benchmark
Unit 5: Division **WEEKS 6-9 OBJECTIVES** Apply and describe strategy used to compute a division problem up to 3 digit by 2 digit Represent and recognize division using various models including quotative and partitive Describe a mental strategy used to compute a given division problem, where quotient is a multiple of 10 and divisor is a 1 digit number Estimate and justify quotients	Explain and demonstrate 4 steps of long division with and without remainders Write fact families with division Solve Word problems with division using clue words to help know when to divide Model division word problems Estimate with division Follow order of operations	Teacher made notes page demonstrating knowledge of each CLT Daily quizzes on division Worksheet on estimating quotients Worksheet on dividing decimals by whole numbers Row race games with Study guide for Benchmark	End of Unit Division Benchmark

CURRICULUM UNIT MAP
3rd QUARTER

COURSE TITLE: Mathematics **GRADE:** 5

Unit Title and Objectives	List CLTs for Each Objective	Brief Description of Formative Assessment(s)	End-of-Unit Benchmark or Performance Assessment
Unit: 6 Fractions **WEEKS 1-4 OBJECTIVES** Read write and compare fractions Recognize and generate equivalent forms of commonly used fractions and decimals Read, write, and compare fractions Describe the effects of addition and subtraction of fractions Demonstrate fluency with efficient procedures for adding and subtracting fractions Estimate and justify sums and differences of fractions Describe a mental strategy used to compute add/subtract fractions	Express decimals as fractions Relate decimals and fractions using models as pictures Recall numbers and fractions on number lines Compare/order fractions Add/subtract fractions/mixed numbers with like and unlike denominators Problem solving with add/subtraction fractions/mixed numbers with unlike denominators Estimate add/subtraction fractions Multiply fractions Divide fractions Find the fraction of a number	Teacher made notes page demonstrating knowledge of each CLT Worksheet on adding and subtracting fractions Clicker quiz on comparing and ordering fractions Worksheet on problem solving with fractions Study guide for benchmark	End of Unit Fraction Benchmark
Unit 7 Graphs/Patterns **WEEKS 5-9 OBJECTIVES** Make and describe generalizations about geometric and numeric patterns Represent and analyze patterns using words, tables and graphs Describe methods to collect, organize and represent categorical and numerical data Given a set of data make and justify prediction Compare related data sets Identify, model and describe situations with constant or varying rates of change Model problems situations, using representations such as graphs or tables	Describe rules in geometric and numeric patterns Make geometric and numeric patterns Make a table to show a pattern Conduct a survey and make an appropriate graph Interpret information in a table/graph Predict patterns in graphs/tables Given a set of data make an appropriate graph Find the range, mode, median, and mean	Teacher made notes page demonstrating knowledge of each CLT Worksheet on reading and making graphs Worksheet on range, mode, median, and mean Conduct a survey and construct a graph	End of Unit Graphs/Patterns Benchmark

CURRICULUM UNIT MAP
4th QUARTER

COURSE TITLE: Mathematics **GRADE:** 5

Unit Title and Objectives	List CLTs for Each Objective	Brief Description of Formative Assessment(s)	End-of-Unit Benchmark or Performance Assessment
Unit: 8 Geometry **WEEKS 1-3 OBJECTIVES** Analyze and classify 2 and 3 dimensional shapes by describing the attributes Predict and justify the results of subdividing and combining and transforming shapes Given a net of a prism or cylinder, identify the 3-dimensional shape Predict, draw and describe results of sliding/translating, flipping, reflecting, and turning/rotating around a center point Use coordinate systems to specify locations, describe paths and find the distance between points along a horizontal and vertical line Identify polygons and designs with rotational symmetry	Recognize solid geometric figures Describe attributes of 2 dimensional shapes Describe attributes of 3 dimensional shapes Understand attributes that make up shapes Recognize shapes looking at it from different views Find nets of solid figures Recognize/predict flips, turns, and slides Locate points on a grid Calculate distance on coordinate plane Understand Rotational symmetry	Teacher made notes page demonstrating knowledge of each CLT Clicker quiz on geometric figures Worksheet on points on a grid Worksheet on nets of solid figures Study guide for benchmark Study guide on flips, turns, and slides	End of Unit Geometry Benchmark
WEEKS 4-6	**MAP TEST Review and MAP TEST**		
Unit: 10 Measurement **WEEKS 7-9 OBJECTIVES** Taught throughout the year during MORNING BELL RINGERS (Hit as a full unit and benchmark tested here) Identify and justify the unit of measure for area Identify the equivalent weights and equivalent capacities within a system of measurement Determine the volume by finding the total number of the same size units needed to fill a space without gaps or overlaps Convert from one unit to another within a system of linear measurement	Choose appropriate measurement tool Figure weight equivalences Figure capacity equivalences Figure metric equivalences Calculate volume Calculate area Calculate perimeter	Teacher made notes page demonstrating knowledge of each CLT That quiz assignment on metric conversions Benchmark study guide	End of Unit Measurement Benchmark