3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
August-May	Warm-up Activities	• Solve problem of the day. • Complete daily test prep.	• Monthly timed tests over basic facts	
August	Algebra, Geometry, Number Sense, Probability & Statistics, Measurement		• DACS Math • Star Math • Written Inventory • Worksheet covering Addition / Subtraction w regrouping • Adequate Yearly Progress test one	
September	Place Value	• Recognize and identify different uses of numbers. • Read, write, and identify place values of digits in whole numbers through hundred thousands. • Solve problems (find a number pattern).	• Place value worksheets on value, patterns, and number forms up to hundred thousand. • Chapter one pre- and post-test over place value. • Teacher observes students modeling a number using base-ten blocks.	3.N.1.1-(Comprehension) Order and compare whole numbers less than 10,000 using appropriate words and symbols. 3.A.4.1-(Comprehension) Extend linear patterns.
September	Compare, Order, and Round Whole Numbers	• Compare and order whole numbers through four digits. • Round whole numbers through four digits. • Solve problems (use a bar graph).	• Place value worksheets on rounding numbers to the hundred thousands. • Chapter two pre- and post-test over compare, order, and rounding numbers. • Student demonstrate placing each digit for a given number in the correct place-value column on a place value chart. • Students will demonstrate rounding	3.N.1.1-(Comprehension) Order and compare whole numbers less than 10,000 using appropriate words and symbols. 3.N.3.1-(Application) Round two-digit whole numbers to the nearest ten and three-digit whole numbers to the nearest hundred. 3.S.1.2-(Application) Gather data and use information to complete a scaled and labeled graph. 3.A.2.1-(Comprehension) Select appropriate relational symbols (<, >, =) to compare numbers.

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
			numbers to the nearest tens and hundreds	
September	Money	• Count coins and bills. • Compare, order, and round amounts of money. • Solve problems (make change).	• Daily worksheets on money. • Chapter three pre- and post-test over money. • Unit one test • Students demonstrate counting money using manipulatives. • Time test over addition • Story Problem Test #1 (Patterns)	3.M.1.2-(Application) Count, compare, and solve problems using a collection of coins and bills. 3.A.2.1-(Comprehension) Select appropriate relational symbols (<, >, =) to compare numbers.
October	Add whole numbers	• Use addition properties • Estimate sums. • Add two-, three-, and four-digit numbers with and without regrouping. • Solve problems (guess and check, estimate an exact answer).	• Daily worksheets adding whole numbers with and without regrouping. • Chapter four pre- and post-test over adding whole numbers. • Use workboards to solve problems using addition with whole numbers with and without regrouping. • Flash cards over addition facts.	3.A.1.2-(Knowledge) Identify special properties of zero and one with respect to arithmetic operations (addition, subtraction, multiplication). 3.A.2.2-(Application) Solve problems involving addition and subtraction of whole numbers. 3.N.2.1(Application) Add and subtract whole numbers up to three digits and multiply two digits by one digit.
October	Subtract whole numbers	• Use subtraction rules • Estimate differences • Subtract two-, three-, and four-digit numbers with and without regrouping. • Solves problems	• Daily worksheets subtracting whole numbers with and without regrouping. • Chapter five pre- and	3.A.1.2-(Knowledge) Identify special properties of zero and one with respect to arithmetic operations (addition, subtraction, multiplication). 3.A.2.2-(Application) Solve problems involving addition and

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
		(explain your answer).	post-test over subtracting whole numbers. • Unit two test • Use workboards to solve problems using subtraction with whole numbers with and without regrouping. • Time test over subtraction facts. • Flash cards over subtraction facts.	subtraction of whole numbers. 3.A.2.2-(Application) Solve problems involving addition and subtraction of whole numbers. 3.N.2.1(Application) Add and subtract whole numbers up to three digits and multiply two digits by one digit.
November	Graph and analyze data	• Collect, organize, and analyze data. • Use the concepts of range, median, mean, and mode. • Make and interpret line plots, pictographs, and bar graphs. • Read and make graphs with ordered pairs. • Solve problems (make a table).	• Daily worksheets graphing, collecting, and analyzing data. • Chapter six pre- and post-test over graphing and analyzing data. • Students demonstrate collecting data, making a table, and using the data and table to create a line plot, pictograph, or bar graph.	3.S.1.1(Application) Ask and answer questions from data represented in bar graphs, pictographs, and tally charts. 3.S.1.2-(Application) Gather data and use information to complete a scaled and labeled graph. 3.A.2.2-(Application) Solve problems involving addition and subtraction of whole numbers.
November	Probability	• Identify outcomes and determine the likelihood of an occurrence. • Make predictions. • Solve problems (use probability).	• Daily worksheets on probability. • Chapter seven pre- and post-test over probability. • Unit three test	3.S.2.1 (Comprehension) Describe events as certain or impossible.
November	Multiplication concepts	• Use repeated addition and arrays to model multiplication. • Use the Commutative Property and Properties of One and Zero for	• Daily worksheets on multiplication concepts. • Chapter eight pre- and post-test over multiplication concepts. • Students demonstrate	3.A.1.1 (Comprehension) Explain the relationship between repeated addition and multiplication. 3.A.1.2-(Knowledge) Identify special properties of zero and

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
		Multiplication. • Multiply with 2, 4, 5, and 10. • Solve problems (make an organized list).	making an array with a given multiplication sentence. • Time test over multiplication facts. • Flash cards over multiplication facts.	one with respect to arithmetic operations (addition, subtraction, multiplication). 3.A.2.2-(Application) Solve problems involving addition and subtraction of whole numbers. 3.A.4.2 (Application) Use number patterns and relationships to learn basic facts. 3.N.1.2 (Comprehension) Order and compare whole numbers les than 10,000 using appropriate words and symbols. 3.N.2.1(Application) Add and subtract whole numbers up to three digits and multiply two digits by one digit.
December	Multiplication facts and patterns	• Multiply with 3, 6, 7, 8, and 9. • Use the Associative Property of Multiplication. • Solve problems (multistep problems).	• Daily worksheets on multiplication facts and patterns. • Chapter nine pre- and post-test over multiplication facts and patterns. • Time test over multiplication facts. • Flash cards over multiplication facts.	3.A.4.2(Application) Use number patterns and relationships to learn basic facts. 3.N.1.2(Comprehension) Order and compare whole numbers les than 10,000 using appropriate words and symbols. 3.N.2.1(Application) Add and subtract whole numbers up to three digits and multiply two digits by one digit.
December	Division concepts	• Use repeated subtraction and counters to model division. • Relate multiplication and division. • Divide by 2, 5, and 10. • Use rulers for dividing	• Daily worksheets on division concepts. • Chapter ten pre- and post-test over division concepts. • Time test over division facts. • Flash cards over	3.A.3.1 (Application) Use the relationship between multiplication and division to compute and check results. 3.A.4.2(Application) Use number patterns and relationships to learn basic facts.

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
		with 0 and 1. • Solve problems (choose the operation and write a number sentence).	division facts.	
January	Division facts and patterns	• Identity and use fact families. • Divide by 3, 4, 6, 7, 8, and 9. • Solve problems (draw a picture).	• Daily worksheets on division facts and patterns. • Chapter eleven pre- and post-test over division facts and patterns. • Time test over division facts. • Flash cards over division facts. • Unit four test • Adequate Yearly Progress test two	3.A.3.1(Application) Use the relationship between multiplication and division to compute and check results. 3.A.4.2(Application) Use number patterns and relationships to learn basic facts.
January	Time and temperature	• Read and write time to the minute. • Determine elapsed time, using clocks and calendars. • Read, write, and compare temperatures in degrees Fahrenheit, and degrees Celsius. • Solve problems (use a schedule).	• Daily worksheets over time, calendar, schedules, and temperature. • Chapter twelve pre- and post-test over time. • Students will model a given time to the nearest 5-minute increment using A.M. and P.M. on a Judy Clock.	3.M.1.1 (Knowledge) Read and tell time on an analog clock before the hour and after the hour within five-minute intervals.
February	Customary measurement and capacity.	• Estimate, measure, compare, and convert customary units of length. • Estimate, measure, compare, and convert customary units of capacity.	• Daily worksheets over customary measurement and capacity. • Chapter thirteen pre- and post-test over customary measurement and	3.M.1.3(Knowledge) Identify U.S. Customary units of length (feet), weight (pounds), capacity (gallons). 3.M.1.4. (Application) Select appropriate units to measure length (inch, foot, mile, yard); weight (ounces, pounds, tons);

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
		• Estimate, measure, compare, and convert customary units of weight. • Solve problems (use logical thinking, too much or too little information).	capacity. • Unit five test (minus metric questions) • Students will demonstrate using a ruler to the nearest half-inch and linear knowledge in weights and measures using manipulatives.	and capacity (cups, pints, quarts, gallons). 3.M.1.5 (Knowledge) Measure length to the nearest ½ inch.
February	Plane and solid figures	• Identify and compare lines, line segments, rays, and angles. • Identify and classify plane figures, quadrilaterals, and triangles. • Identify solid geometric figures. • Solve problems (find a pattern).	• Daily worksheets over plane and solid figures. • Chapter fifteen pre- and post-test over plane and solid figures. • Students will model using geo-boards and tangrams to represent plane figures. • Students verbally name solid figures using models.	3.G.1.1 (Comprehension) Recognize and compare the following plane and solid geometric figures: square, rectangle, triangle, cube, sphere, and cylinder. 3.G.1.2. (Knowledge) Identify points, lines, line segments, and rays.
February	Congruence, symmetry, and transformations	• Identify congruent figures, similar figures, and a line of symmetry. • Explore transformations. • Solve problems (visual thinking).	• Daily worksheets over congruency, transformation, and symmetry. • Chapter sixteen pre- and post-test over congruency, transformation, and symmetry. • Story Problem #2 (Guess & Check)	3.G.2.1 (Comprehension) Demonstrate relationships between figures using similarity and congruence.
March	Perimeter, area, and volume	• Estimate and find perimeter. • Estimate and find area. • Estimate and find volume. • Solve problems (use	• Daily worksheets over perimeter, area, and volume. • Chapter seventeen pre- and post-test over perimeter, area, and	

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
		measurement).	volume. • Unit six test	
March	Fraction concepts	• Identify parts of regions and groups. • Find fractional parts of a group. • Find equivalent fractions. • Write mixed numbers. • Solve problems (multi-step problems).	• Daily worksheets over fractions. • Chapter eighteen pre- and post-test over fractions.	3.N.1.3 (Knowledge) Name and write fractions from visual representations.
March	Work with fractions	• Compare and order fractions. • Add and subtract fractions with like denominators. • Solve problems (act it out).	• Daily worksheets over work with fractions. • Chapter nineteen pre- and post-test over work with fractions.	3.N.1.3 (Knowledge) Name and write fractions from visual representations.
March/April	Decimals	• Identify, compare, and order tenths, hundredths, and decimals greater than one. • Add and subtract decimals. • Relate decimals, fractions, and money. • Solve problems (reasonable answers, using money).	• Daily worksheets over decimals. • Chapter twenty pre- and post-test over decimals. • Unit seven test • Adequate Yearly Progress test 3 • Use wipe boards to solve problems using decimals. • Students will demonstrate relating a decimal to its equivalent fraction. • Story Problem #3 (Multi-step) • Dakota STEP	

3rd Grade
Math Curriculum

Month	Content	Skills	Assessments	Standards
May	Multiply by 1-digit numbers	• Multiply multiples of 10, 100, and 1000. • Estimate products. • Multiply two-, three-, and four-digit numbers by one-digit numbers. • Multiply money. • Solve problems (solve a simpler problem).	• Daily worksheets over multiplication. • Chapter twenty-one pre- and post-test over multiplication. • Use workboards to solve problems using multiplication.	3.N.2.1(Application) Add and subtract whole numbers up to three digits and multiply two digits by one digit.
May	Divide by 1-digit divisors	• Use basic facts and patterns to divide. • Estimate quotients. • Divide two-, three-digit numbers with and without remainders. • Divide money. • Solve problems (interpret remainders).	• Daily worksheets over division. • Chapter twenty-two pre- and post-test over division. • Unit eight test	
May	Metric measurement	• Estimate, measure, compare, and convert metric units of length. • Estimate, measure, compare, and convert metric units of capacity. • Estimate, measure, compare, and convert metric units of mass. • Solve problems (work backwards).	• Daily worksheets over metric measurement. • Chapter fourteen pre- and post-test over metric measurement.	