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**Math Lesson Plan**  
**1st Grade Curriculum**  
**Total Activities: 100**

Chapter - "Number Sense"-The learner will understand numeration, number theory and number systems.		
Lesson Code	Lesson Title and Description	LA Number
1	Read Numbers -Read whole numbers up to 100. Use one-to-one correspondence to count objects up to 100.	10147
2	Compare Numbers -Compare and order whole numbers up to 100 by understanding the concepts of greater than, less than, and equality.	10097
3	Ordinal Numbers-Match ordinal numbers with an ordered set of up to ten items. Identify first, second, and third by name.	10092
4	Count Numbers-Count forward and backward by ones and count forward by tens from any number less than 100.	10100
5	Place Value-Identify the place value of a digit in whole numbers to 100. Identify the value of digits up to the hundreds place.	10101
6	Compare with Place Value -Group objects by tens and ones. Compare and order whole numbers up to 100 using	10194

	place value.	
7	Count by Twos and Fives-Count forward by twos and fives up to 50.	10103
8	Odd and Even Numbers-Model and identify even and odd numbers.	10114
Chapter - "Fractions "-The learner will understand relationships among numbers and ways of representing fractional numbers.		
Lesson Code	Lesson Title and Description	LA Number
1	Equal and Unequal Parts-The learner will identify equal and unequal parts of wholes.	10195
2	Halves and Fourths-The learner will identify and demonstrate fractions ( $\frac{1}{2}$ , $\frac{1}{4}$ ) as parts of whole and parts of a set using concrete materials and drawings.	10118
3	Thirds-The learner will identify and demonstrate thirds and $\frac{1}{3}$ of wholes using concrete materials and objects.	10112
4	Equal Fractions-The learner will identify equivalent fractional parts as a whole.	10148
Chapter - "Operations"-The learner will understand the meanings of operations and how they are related to one another.		
Lesson Code	Lesson Title and Description	LA Number
1	Adding and Subtracting-Demonstrate understanding of the meaning of addition and subtraction by using language such as put together, take away, increase, decrease, compare, and find the difference. Relate informal language to mathematical language and symbols.	10120

2	Place Value-When given any number up to 100, identify one more than, one less than, 10 more than, and 10 less than.	10121
3	Equal Numbers-Using diagrams and/or numerical expressions, represent equivalent forms of the same number up to 12.	10119
4	One-digit Addition-Solve one-digit addition problems.	10122
5	One-digit Subtraction-Solve one-digit subtraction problems.	10124
6	Sum of Three Addends-Find the sum of three one-digit numbers.	10123
7	Two-digit Addition-Solve two-digit addition problems without regrouping.	10125
9	Zero as a Placeholder-Explain the meaning of zero and its function as a placeholder. Explore adding and subtracting zero.	10126
10	Addition Strategies-Solve for basic addition facts by using strategies such as counting on, counting back, doubling, doubling plus one, and making ten.	10127 10129
11	One-Digit Word Problems-Solve addition and subtraction one-digit word problems by selecting the proper operation.	10128
12	Problem Solving Strategies-Choose an appropriate method, such as using concrete materials, mental math, or paper and pencil to solve real-world addition and subtraction problems.	10140
13	Estimation Language-Use the appropriate language of estimation such as about, near, closer to, and between to identify and describe numbers in real-world situations.	10130

14	Estimate-Estimate reasonable answers to compare amounts, count objects, and solve basic facts.	10131 10132
Chapter - "Money "-The learner will understand the concept of money.		
Lesson Code	Lesson Title and Description	LA Number
1	Coin Values-Identify and name the values of coins (penny, nickel, dime) and show different combinations of coins that equal the same value, up to 75¢. Recognize and use the cents sign.	10133
2	Count Money-Identify and count money to equal an amount using the fewest coins.	10134
3	Model Money Amounts-Identify and count money to equal an amount using the fewest coins.	10135
4	Add and Subtract Money-Solve simple addition and subtraction problems involving the use of pennies, nickels, and dimes up to 50¢.	10136 10137
Chapter - "Patterns"-The learner will understand patterns, relations, and functions.		
Lesson Code	Lesson Title and Description	LA Number
1	Sort Using One Attribute-Sort and classify objects by one attribute.	10138
2	Sort Using Two Attributes-Sort and classify objects by two or more attributes.	10139
3	Rules for Sorting-Justify rules for sorting and classifying.	10198
4	Build Patterns-Use one attribute to create a pattern. Identify errors in repeating patterns.	10141

5	Classify Patterns-Classify, describe, and extend patterns of objects using a wide variety of attributes (i.e., size, shape, color).	10142
6	Picture and Number Patterns-Predict and extend pictorial patterns. Identify and generate patterns in number pairs by adding to a T-chart.	10143
7	Repeating and Growing Patterns-Explore and create repeating patterns and growing patterns and generate rule for such patterns.	10144
8	Patterns on a Hundreds Chart-Explore patterns of numbers on a hundreds chart.	10146
9	Skip Counting-Use patterns to skip count by 2s, 5s, and 10s to 100. Understand and identify odd and even numbers.	10145
10	Extend Number Patterns-Predict and extend existing numerical patterns using addition.	10171
Chapter -"Algebra"-The learner will represent and analyze mathematical situations and structures using algebraic symbols.		
Lesson Code	Lesson Title and Description	LA Number
1	Order Property-Use the Commutative Property of Addition in solving problems.	10172
2	Add and Subtract Numbers-Using objects and pictures, model situations that involve the addition and subtraction of whole numbers.	10161
3	Fact Families-Identify fact families by understanding the patterns in related addition and subtraction sentences.	10160
4	Number Sentences-Using objects, create	10173

	models that represent a variety of number sentences including the missing addend.	
5	Equal and Unequal-Use concrete objects and pictorial representations to explore equalities and inequalities.	10162
6	Greater Than and Less Than-Use concrete objects to solve number sentences with equalities and inequalities using the symbols $<$ , $=$ , $>$ .	10163
7	Solve for Unknown Numbers-Solve addition and subtraction problems with an unknown number represented by a geometric shape.	10164 10165
Chapter -"Shapes"-The learner will analyze characteristics and properties of two-and three-dimensional shapes.		
Lesson Code	Lesson Title and Description	LA Number
1	Straight and Curved Lines-Compare plane figures based on their straight and curved lines.	10094
2	Open and Closed Shapes-Identify open and closed figures.	10093
3	Plane and Solid Shapes-Identify circles, triangles, and rectangles (including squares), and describe the shape of balls, boxes, cans, and cones. Sort shapes by attributes (sides, curves, corners).	10095 10196 10197
4	Special Plane Shapes-Recognize plane shapes such as hexagons, trapezoids, and rhombi.	10113
5	Attributes of Plane Shapes-Describe and compare attributes (sides, vertices, angles) of two-dimensional shapes.	10149
6	Name Solid Shapes-Recognize solid shapes such as spheres, cylinders, cones, and cubes.	10166

7	Attributes of Solid Shapes-Describe and compare attributes (edges, vertices, faces) of three-dimensional shapes.	10150
8	Congruent Shapes-Identify congruent two- and three-dimensional shapes.	10104 10167
Chapter - "Positions"-The learner will specify locations and describe spatial relationships using coordinate geometry.		
Lesson Code	Lesson Title and Description	LA Number
1	Positions of Objects-Describe relative positions of objects or shapes using words such as top, middle, on, inside, and outside.	10174
2	Direction Words-The learner will interpret directional words such as left, right, up, and down.	10255
3	Position Words-The learner will identify, locate, and move objects according to positional words such as to the left, above, and behind.	10115
4	The Number Line-The learner will locate, plot, and identify known and unknown numbers on a number line from 0 to 20 by ones and from 1 to 100 by tens.	10199
Chapter - "Using Shapes"-The learner will apply transformations and use symmetry to analyze mathematical situations.		
Lesson Code	Lesson Title and Description	LA Number
1	Slides and Turns-Identify slides and turns with objects.	10151
2	Congruent Shapes-Identify matching pairs of congruent figures that have been turned or flipped.	10152
3	Symmetry-Identify lines of symmetry in	10153

	two-dimensional shapes.	
Chapter - "Spatial Sense"-The learner will use visualization, spatial reasoning, and geometric modeling to solve problems.		
Lesson Code	Lesson Title and Description	LA Number
1	Build Shapes-Create two-dimensional shapes using other shapes (e.g., two squares make a rectangle).	10096
2	Plane and Solid Shapes-Recognize two- and three-dimensional shapes from various perspectives.	10154
3	Perimeter and Area-Compare perimeter and area of two-dimensional shapes in terms of less than, equal to, or greater than.	10168
4	Shapes Around Us-Recognize geometric shapes in the environment.	10155
5	Pattern Blocks-Use pattern blocks to form shapes. Identify combined shapes in nature, art, and architecture.	10116
Chapter - "Time"-The learner will understand the attributes of time and apply appropriate techniques, tools, and formulas to determine measurements.		
Lesson Code	Lesson Title and Description	LA Number
1	Calendar-The learner will identify the names of the week and months of the year using a calendar.	10156
2	Passage of Time-The learner will identify the key words that name the passage of time such as yesterday, afternoon, night, and day.	10157
3	Tools for Telling Time-The learner will identify tools for measuring time such as clocks and calendars and name parts of each tool.	10158

4	Time to the Hour and Half-hour-The learner will tell time on analog and digital clocks to hour and half-hour and relate time events using shorter/longer.	10169
5	Elapsed Time-The learner will solve simple real-world problems involving elapsed time to the hour and half-hour and minutes.	10159
Chapter - "Length "-The learner will understand the attributes of length and apply appropriate techniques, tools, and formulas to determine measurements.		
Lesson Code	Lesson Title and Description	LA Number
1	Non-standard Units-The learner will use non-standard units to estimate and measure lengths.	10175
2	Compare Lengths-The learner will compare the length of two or more objects by using direct comparison or by using nonstandard units.	10176
3	Customary Units-The learner will use customary units to measure, compare, and order objects according to lengths, in inches and feet.	10170
4	Tools and Units -The learner will choose the appropriate unit and tool to measure length.	10177
5	Metric Units-The learner will use metric units to measure, compare, and order objects according to lengths.	10178
Chapter - "Weight"-The learner will understand the attributes of weights and apply appropriate techniques, tools, and formulas to determine measurements.		
Lesson Code	Lesson Title and Description	LA Number
1	Non-standard Units-The learner will use non-standard units to estimate and	10256

	measure weights.	
2	Compare Weights-The learner will compare the weight of two or more objects by using direct comparison or by using nonstandard units.	10182
3	Customary Units-The learner will compare the weight of two or more objects using customary units and identify the tools for measuring weight.	10180
4	Metric Units-The learner will use metric units to measure, compare, and order objects according to weights.	10181
Chapter -"Capacity "-The learner will understand the attributes of capacity and apply appropriate techniques, tools, and formulas to determine measurements.		
Lesson Code	Lesson Title and Description	LA Number
1	Non-standard Units-Use non-standard units to estimate and measure capacity.	10183
2	Compare Capacity-Compare the capacity of two or more containers using direct comparison.	10184
3	Customary Units-Compare the capacity (in cups, pints, and quarts) of two or more containers. Identify the tools for measuring capacity.	10185
4	Metric Units-Use metric units to measure, compare, and order objects according to capacity.	10186
Chapter -"Temperature "-The learner will understand the attributes of temperature and apply appropriate techniques, tools, and formulas to determine measurements.		
Lesson Code	Lesson Title and Description	LA Number
1	Measure Temperature-Using a Fahrenheit thermometer, tell	10258

	temperature to the nearest 10 degrees. Match temperature in degrees Fahrenheit to the feeling outside of a warm or cold day.	
2	Compare Temperature-Compare temperatures in degrees Fahrenheit of two or more objects. Identify tools for measuring temperature.	10257
Chapter - "Graphing"-The learner will collect, organize, and display relevant data.		
Lesson Code	Lesson Title and Description	LA Number
1	Tally Table-Sort objects into categories and create a tally table.	10187
2	Pictographs-Organize and record data in pictographs.	10188
3	Bar Graphs-Organize and record data in bar graphs.	10189
Chapter - "Using Data"-The learner will select and use appropriate statistical methods to analyze data.		
Lesson Code	Lesson Title and Description	LA Number
1	Compare Data-Interpret data and explore range and mode in simple graphs.	10190
2	Make Predictions-Use data to make predictions about events or situations.	10191
Chapter - "Probability"-The learner will apply basic concepts of probability.		
Lesson Code	Lesson Title and Description	LA Number
1	Certain or Impossible-Identify whether an event is certain, possible, or impossible.	10192
2	Most and Least Likely-Identify the	10193

	likelihood of a given event.	
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