



# KINDERGARTEN MATHEMATICS

## Teacher's Guide

### CONTENTS

Curriculum Overview . . . . .	3
LIFEPAC <sup>®</sup> Management . . . . .	11
Teacher Notes . . . . .	17
Student Evaluation . . . . .	245

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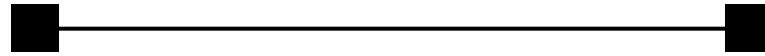
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# MATHEMATICS

## Curriculum Overview Grades K-12



### Kindergarten

#### Lessons

1-40	41-80	81-120	121-160
<b>Directions</b> -right, left, high,low,etc. <b>Comparisons</b> -big, little,alike,different <b>Matching</b> <b>Cardinal Numbers</b> -to 9 <b>Colors</b> -red,blue,green, yellow, brown,purple <b>Shapes</b> -circle,square, rectangle,triangle <b>Number Order</b> <b>Before and After</b> <b>Ordinal Numbers</b> -to 9th <b>Problem Solving</b>	<b>Directions</b> -right,left, high,low,etc. <b>Comparisons</b> -big, little,alike,different <b>Matching</b> <b>Cardinal Numbers</b> -to 12 <b>Colors</b> -orange  <b>Shapes</b> -circle,square, rectangle,triangle <b>Number Order</b> <b>Before and After</b> <b>Ordinal Numbers</b> -to 9th <b>Problem Solving</b> <b>Number Words</b> -to nine <b>Addition</b> -to 9	<b>Directions</b> -right,left, high,low,etc. <b>Comparisons</b> -big, little,alike,different <b>Matching</b> <b>Cardinal Numbers</b> -to 19 <b>Colors</b> -black,white  <b>Shapes</b> -circle square, rectangle,triangle <b>Number Order</b> <b>Before and After</b> <b>Ordinal Numbers</b> -to 9th <b>Problem Solving</b> <b>Number Words</b> -to nine <b>Addition</b> -to 10 and multiples of 10 <b>Subtraction</b> -to 9 <b>Place Value</b> <b>Time/Calendar</b>	<b>Directions</b> -right,left, high,low,etc. <b>Comparisons</b> -big, little,alike,different <b>Matching</b> <b>Cardinal Numbers</b> -to 100 <b>Colors</b> -pink  <b>Shapes</b> -circle,square, rectangle,triangle <b>Number Order</b> <b>Before and After</b> <b>Ordinal Numbers</b> -to 9th <b>Problem Solving</b> <b>Number Words</b> -to nine <b>Addition</b> -to 10 and multiples of 10 <b>Subtraction</b> -to 10 <b>Place Value</b> <b>Time/Calendar</b> <b>Money</b> <b>Skip Counting</b> -2's, 5's, 10's <b>Greater/ Less Than</b>

# Mathematics LIFEPAC Overview

	Grade 1	Grade 2	Grade 3
LIFEPAC 1	<b>NUMBERS TO 99</b> <ul style="list-style-type: none"> <li>Number order, skip-count</li> <li>Add, subtract to 9</li> <li>Story problems</li> <li>Measurements, shapes</li> </ul>	<b>NUMBERS TO 99</b> <ul style="list-style-type: none"> <li>Numbers and words to 99</li> <li>Operation symbols +, -, =, &gt;, &lt;</li> <li>Add, subtract, story problems</li> <li>Place value, fact families</li> </ul>	<b>WORD NUMBERS</b> <ul style="list-style-type: none"> <li>Number words and symbols</li> <li>Counting by 2's, 5's, and 10's</li> <li>Even and odd numbers</li> <li>Expanding tens and ones</li> </ul>
LIFEPAC 2	<b>NUMBERS TO 99</b> <ul style="list-style-type: none"> <li>Add, subtract to 10</li> <li>Number words</li> <li>Place value, shapes</li> <li>Patterns, sequencing, estimation</li> </ul>	<b>NUMBERS TO 200</b> <ul style="list-style-type: none"> <li>Numbers and words to 200</li> <li>Add, subtract, even and odd</li> <li>Skip-count 2's, 5's, 10's, shapes</li> <li>Ordinal numbers, fractions, money</li> </ul>	<b>ADDITION PROBLEMS</b> <ul style="list-style-type: none"> <li>Review addition facts</li> <li>Addition number sentences</li> <li>Review addition problems</li> <li>Review addition with carrying</li> </ul>
LIFEPAC 3	<b>NUMBERS TO 100</b> <ul style="list-style-type: none"> <li>Number sentences,</li> <li>Fractions, oral directions</li> <li>Story problems</li> <li>Time, symbols =, ≠</li> </ul>	<b>NUMBERS TO 200</b> <ul style="list-style-type: none"> <li>Add w/ carry to 10's place</li> <li>Subtract, standard measurements</li> <li>Flat shapes, money, A.M./P.M.</li> <li>Rounding to 10's place</li> </ul>	<b>SUBTRACTION PROBLEMS</b> <ul style="list-style-type: none"> <li>Review subtraction facts</li> <li>Subtraction number sentences</li> <li>Review subtraction problems</li> <li>Writing subtraction problems</li> </ul>
LIFEPAC 4	<b>NUMBERS TO 100</b> <ul style="list-style-type: none"> <li>Add to 18, place value</li> <li>Skip-count, even and odd</li> <li>Money</li> <li>Shapes, measurement</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Numbers and words to 999</li> <li>Add, subtract, place value</li> <li>Calendar, graphs, making change</li> <li>Measurements - length</li> </ul>	<b>NUMBER ORDER</b> <ul style="list-style-type: none"> <li>Place value to 1,000</li> <li>Expanding hundreds, tens, &amp; ones</li> <li>Number order</li> <li>Telling time</li> </ul>
LIFEPAC 5	<b>NUMBERS TO 100</b> <ul style="list-style-type: none"> <li>Add 3 numbers - 1 digit</li> <li>Ordinal numbers, fractions</li> <li>Time, number line</li> <li>Estimation, charts</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Data and bar graphs, shapes</li> <li>Add, subtract to 100's</li> <li>Skip-count 3's, place value to 100's</li> <li>Add fractions, measure temperature</li> </ul>	<b>CARRYING NUMBERS</b> <ul style="list-style-type: none"> <li>Carrying tens</li> <li>Carrying to tens in addition</li> <li>Carrying hundreds</li> <li>Addition story problems</li> </ul>
LIFEPAC 6	<b>NUMBERS TO 100</b> <ul style="list-style-type: none"> <li>Number words to 99</li> <li>Add 2 numbers - 2 digit</li> <li>Symbols &gt;, &lt;</li> <li>Fractions, shapes</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Measurements - time to minutes, weight, volume, perimeter</li> <li>Subtract w/ borrow from 10's place</li> <li>Add, subtract fractions</li> </ul>	<b>BORROWING NUMBERS</b> <ul style="list-style-type: none"> <li>Borrowing tens</li> <li>Borrowing hundreds</li> <li>Subtraction with borrowing</li> <li>Subtraction story problems</li> </ul>
LIFEPAC 7	<b>NUMBERS TO 200</b> <ul style="list-style-type: none"> <li>Number order, place value</li> <li>Subtract to 12</li> <li>Operation signs</li> <li>Estimation, graphs, time</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Add w/ carry to 100's place</li> <li>Standard measurements</li> <li>Number order in books</li> <li>Rounding and estimation</li> </ul>	<b>SYMBOLS AND MULTIPLES</b> <ul style="list-style-type: none"> <li>Relate addition to multiplication</li> <li>Recognizing symbols</li> <li>Counting by 1, 2, 3, 5, 10</li> <li>Multiplication facts: 1, 2, 3, 5, 10</li> </ul>
LIFEPAC 8	<b>NUMBERS TO 200</b> <ul style="list-style-type: none"> <li>Addition, subtract to 18</li> <li>Group counting</li> <li>Fractions, shapes</li> <li>Time, measurements</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Add, subtract, measure volume</li> <li>Group count, "think" answers</li> <li>Convert coins, length, width</li> <li>Directions-N, S, E, W</li> </ul>	<b>ADDITION AND SUBTRACTION</b> <ul style="list-style-type: none"> <li>Review place value</li> <li>Addition problems</li> <li>Subtraction problems</li> <li>Multiplication problems</li> </ul>
LIFEPAC 9	<b>NUMBERS TO 200</b> <ul style="list-style-type: none"> <li>Add 3 numbers - 2 digit</li> <li>Fact families</li> <li>Sensible answers</li> <li>Subtract 2 numbers - 2 digit</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Area and square measurements</li> <li>Add 3 numbers - 2 digit w/ carry</li> <li>Add coins and convert to cents</li> <li>Fractions, quarter-inch</li> </ul>	<b>FRACTIONS</b> <ul style="list-style-type: none"> <li>Relate fractions to parts</li> <li>Fraction symbols</li> <li>Fractions and groups</li> <li>Fractions and shapes</li> </ul>
LIFEPAC 10	<b>NUMBERS TO 200</b> <ul style="list-style-type: none"> <li>Add, subtract, place value</li> <li>Directions - N, S, E, W</li> <li>Fractions</li> <li>Patterns</li> </ul>	<b>NUMBERS TO 999</b> <ul style="list-style-type: none"> <li>Rules for even and odd</li> <li>Round numbers to 100's place</li> <li>Time - digital, sensible answers</li> <li>Add 3 numbers - 3 digit</li> </ul>	<b>REVIEW</b> <ul style="list-style-type: none"> <li>Adding and subtracting</li> <li>Multiplying</li> <li>Number words and symbols</li> <li>Telling time</li> </ul>