

# Scope & Sequence

## Exploring Creation with Mathematics, Level 1

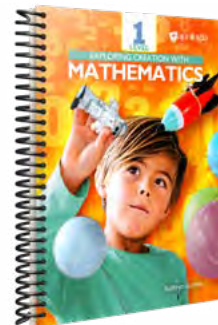
**GRADE LEVEL:** 1

**TEXT SUMMARY:** *Exploring Creation with Mathematics*, Level 1 is designed to teach students the basics of numbers, counting, addition, subtraction, and geometric shapes. Students will also begin to learn how to apply these concepts to the world around them and practice them in their daily lives.

### Unit 1: Introduction to Addition

Lesson	Summary	Main Themes	Supporting Activities
<b>CHAPTER 1</b> <i>The Numbers 1-10</i>	The student will review and use numbers 1-10.	<ul style="list-style-type: none"> <li>• Writing the Numbers 1-10</li> <li>• Identifying and Using the Numbers 1-10</li> <li>• Putting Numbers in Order</li> </ul>	<ul style="list-style-type: none"> <li>• Pipe Cleaner Numbers</li> <li>• Number Making Game (Part 1)</li> <li>• Line Them Up</li> <li>• Number Collage Project</li> </ul>
<b>CHAPTER 2</b> <i>The Numbers 0-20</i>	The student will review and use numbers 0-20.	<ul style="list-style-type: none"> <li>• Introducing the Numbers 11-19</li> <li>• Counting Groups up to 19</li> <li>• Ordering the Numbers 0-20</li> </ul>	<ul style="list-style-type: none"> <li>• Model the Teen Numbers</li> <li>• Adding on 10</li> <li>• Show How Many</li> <li>• Teen Number Matching Game</li> <li>• Number Matching Game (Part 2)</li> </ul>
<b>CHAPTER 3</b> <i>Addition</i>	The student will learn how to use addition symbols and techniques on how to add numbers.	<ul style="list-style-type: none"> <li>• Counting On</li> <li>• Adding by Drawing a Picture</li> <li>• Adding Using Symbols</li> <li>• Adding Zero</li> <li>• Practicing Addition</li> <li>• Adding in Any Order</li> </ul>	<ul style="list-style-type: none"> <li>• Counting on Cards (Part 1)</li> <li>• Addition Strike Out Game</li> <li>• Counting on Cards (Part 2)</li> <li>• Stack 'Em</li> <li>• Linking Cube Towers</li> </ul>
<b>CHAPTER 4</b> <i>Finding Different Ways to Make Sums</i>	The student will practice making sums in different ways and solve addition word problems.	<ul style="list-style-type: none"> <li>• Add to Make 5</li> <li>• Add to Make 1, 2, 3, 4, and 5</li> <li>• Add to Make 6, 7, 8, and 9</li> <li>• Making Tens</li> <li>• Practicing Number Bonds</li> <li>• Addition Word Problems</li> </ul>	<ul style="list-style-type: none"> <li>• Build to Make 5</li> <li>• Candy Today or Tomorrow</li> <li>• Fill in Facts</li> <li>• Using Counters to Add to Make 6, 7, 8, and 9</li> <li>• Number Facts</li> <li>• Fishing for 10's</li> <li>• Creating a Number Book</li> </ul>

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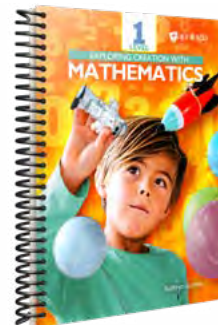


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### UNIT 2: Addition and Subtraction

Lesson	Summary	Main Themes	Supporting Activities
<b>CHAPTER 5</b> <i>Subtraction</i>	The student will learn how to use subtraction symbols, and techniques on how to subtract numbers. The student will also practice subtraction word problems.	<ul style="list-style-type: none"> <li>• Taking Away</li> <li>• Subtracting by Crossing Out</li> <li>• Subtracting Using Symbols</li> <li>• Subtracting All or 0</li> <li>• Practicing Subtraction</li> <li>• Subtraction Word Problems</li> </ul>	<ul style="list-style-type: none"> <li>• Squash It</li> <li>• Linking Cube Subtraction</li> <li>• Subtraction Bowling</li> <li>• Squash It (Continued)</li> <li>• Subtraction Board Game</li> <li>• Toppling Towers of 10</li> </ul>
<b>CHAPTER 6</b> <i>Addition up to 20</i>	The student will use doubles facts, solve addition problems up to the number 20, and practice adding three numbers.	<ul style="list-style-type: none"> <li>• Adding Doubles</li> <li>• Practicing Doubles</li> <li>• Doubles and 1 More or 1 Less</li> <li>• Fact Fluency</li> <li>• Adding to 10</li> <li>• Adding to 9</li> <li>• Making a 10 to Add</li> <li>• Adding 3 Numbers</li> <li>• Making a 10 to Add 3 Numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Towering Twins</li> <li>• Playdough Doubles</li> <li>• Doubles Facts Snakes and Ladders</li> <li>• Tower Totals</li> <li>• Doubles Plus or Minus One Game</li> <li>• Sticker Facts</li> <li>• Adding to 9 with Ten Frames</li> <li>• Adding to Anything with Ten Frames</li> <li>• Adding 3 Numbers with Ten Frames</li> <li>• Dice Bingo</li> </ul>
<b>CHAPTER 7</b> <i>Subtraction up to 20</i>	The student will practice counting backwards and learn different subtraction strategies. The student will also compare numbers using subtraction.	<ul style="list-style-type: none"> <li>• Counter Back</li> <li>• Count Back to Subtract</li> <li>• Using Addition to Subtract</li> <li>• Subtracting to 10 First</li> <li>• Subtraction Strategies</li> <li>• Which is Larger?</li> <li>• Comparing Groups</li> <li>• Subtraction Word Problems</li> </ul>	<ul style="list-style-type: none"> <li>• Ordering Mini Cups</li> <li>• Rocket Countdown</li> <li>• Using Ten Frames to Subtract</li> <li>• War Card Games</li> <li>• Grow It Up</li> <li>• Subtraction and Word Problem Match-up</li> </ul>
<b>CHAPTER 8</b> <i>Addition and Subtraction are Related</i>	The student will learn how to identify related facts and group facts into fact families. The student will also practice solving addition and subtraction word problems.	<ul style="list-style-type: none"> <li>• Related Facts</li> <li>• Fact Families</li> <li>• Find the Missing Number</li> <li>• Fact Practice up to 20</li> <li>• Addition and Subtraction Word Problems</li> </ul>	<ul style="list-style-type: none"> <li>• How Many Hiding</li> <li>• Make That Number...One Way or Another! Game</li> <li>• Target Number</li> <li>• Flash Card Match-up</li> <li>• Manage Your Own Store</li> </ul>



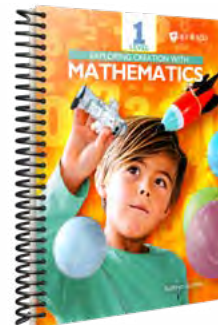
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### UNIT 3: Place Value

Lesson	Summary	Main Themes	Supporting Activities
<b>CHAPTER 9</b> <i>Numbers to 120</i>	<p>The student will practice counting to 120 and find patterns in the hundreds chart along with breaking numbers into tens and ones.</p>	<ul style="list-style-type: none"> <li>• Count to 120</li> <li>• Skip Counting by Twos</li> <li>• Skip Counting by Tens</li> <li>• Counting Review and Patterns on the 120 Chart</li> <li>• Counting Up Objects</li> <li>• Teen Numbers and Multiples of 10</li> <li>• Breaking Numbers into Tens and Ones</li> </ul>	<ul style="list-style-type: none"> <li>• Count to 120</li> <li>• Counting Hot Potato</li> <li>• Counting up by Twos</li> <li>• Hundred's Chart Puzzle</li> <li>• Counting with a Counting Mat</li> <li>• Teen Number Matching Game</li> <li>• Counting by Groups of Ten</li> <li>• Tens and Ones</li> <li>• Cash In! Game</li> </ul>
<b>CHAPTER 10</b> <i>Comparing Numbers</i>	<p>The student will use base ten blocks and place value to compare numbers. The student will also be introduced to inequality symbols including greater than, less than, and equal to.</p>	<ul style="list-style-type: none"> <li>• 10 More and 10 Less</li> <li>• Comparing Base Ten Blocks</li> <li>• Comparing Using Place Value</li> <li>• Math Symbols for Equal To, Greater Than, and Less Than</li> </ul>	<ul style="list-style-type: none"> <li>• More Than, Less Than, and the Same as Me</li> <li>• Comparing Tens and Ones</li> <li>• Lesser Greater, and Same</li> <li>• Two-Digit War</li> <li>• Guess My Number</li> </ul>
<b>CHAPTER 11</b> <i>Adding Two-Digit Numbers</i>	<p>The student will practice adding and subtracting multiples of 10 and learn techniques on adding two-digit numbers.</p>	<ul style="list-style-type: none"> <li>• Adding Tens</li> <li>• Subtracting Tens</li> <li>• Adding Using the Hundreds Chart</li> <li>• Adding Using Base Ten Blocks</li> <li>• Regrouping with Base Ten Blocks</li> <li>• Make a 10 to Add Two-Digit Numbers</li> <li>• Vertical Addition</li> <li>• Word Problem Workshop</li> </ul>	<ul style="list-style-type: none"> <li>• Target Number</li> <li>• Hundred Chart Puzzle (Part 1)</li> <li>• Hundred Chart Puzzle (Part 2)</li> <li>• Cash In! Game</li> <li>• Bump It Up!</li> <li>• Scrambled Steps</li> <li>• The Most Expensive Name</li> </ul>

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### Exploring Creation with Mathematics, Level 1

#### UNIT 4: Measurement and Data

Lesson	Summary	Main Themes	Supporting Activities
<b>CHAPTER 12</b> <i>Measurement</i>	The student will practice measuring length and capacity and will begin to learn how to measure time.	<ul style="list-style-type: none"> <li>• Ordering Lengths</li> <li>• Measuring Length with a Nonstandard Unit</li> <li>• Estimating Length</li> <li>• Ordering Capacity</li> <li>• Measuring Capacity</li> <li>• Telling Time</li> <li>• Telling Time to the Hour</li> <li>• Telling Time to the Half Hour</li> </ul>	<ul style="list-style-type: none"> <li>• Ordering Objects</li> <li>• Tools for Measuring</li> <li>• The Tallest Tower</li> <li>• Comparing Containers</li> <li>• Comparing Cups</li> <li>• Making a Clock</li> <li>• Using the Minute Hand</li> </ul>
<b>CHAPTER 13</b> <i>Data and Graphs</i>	The student will collect data with tally marks and surveys and then use the data to create graphs.	<ul style="list-style-type: none"> <li>• Tally Marks</li> <li>• Collecting Data</li> <li>• Picture Graphs</li> <li>• Bar Graphs</li> <li>• Graphing Our Family</li> </ul>	<ul style="list-style-type: none"> <li>• Recording the Weather</li> <li>• Breakfast Food Survey</li> <li>• Coin Picture Graph</li> <li>• Linking Cube Bar Graph</li> <li>• Graphing Our Family Data Collection</li> <li>• M&amp;M's Experiment</li> <li>• Wondrous Weather</li> </ul>

#### UNIT 5: Geometric Shapes

Lesson	Summary	Main Themes	Supporting Activities
<b>CHAPTER 14</b> <i>Shapes</i>	The student will learn how to identify, describe, and build 3D shapes.	<ul style="list-style-type: none"> <li>• Introducing 3D Shapes</li> <li>• Describing 3D Shapes</li> <li>• Building with 3D Shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Finding 3D Shapes</li> <li>• Flat or Round</li> <li>• Identify 3D Shapes</li> <li>• Stamping with 3D Shapes</li> <li>• 3D Shapes Project</li> </ul>

**ADDITIONAL INFORMATION:** All consumable materials found in the Answer Key are also available as a PDF on the title's Book Extras site. There are also additional PDF worksheets available for struggling students.