

GRADE	CONTENT	SKILLS	ALTERNATIVE MATH CURRICULUM CHAPTERS	GO MATH! CHAPTERS
<b>NUMBERS AND OPERATIONS</b>				
<b>Essential Question:</b> What does numerical reasoning involve and what does it demonstrate about God's world?			<b>Big Idea:</b> Numerical reasoning with whole numbers and fractions demonstrates dependability and order in God's world.	
3	Place Value	<b>3.NO.1</b> Use place value understanding of up to five-digit whole numbers to round to the nearest 10, 100, and 1000 (3.NBT.1)		<b>Chapter:</b> 1.2, 1.3, 1.8
	Addition/ Subtraction	<b>3.NO.2</b> Add and subtract up to four digits with and without regrouping (3.NBT.2)		<b>Chapter:</b> 1.4, 1.5, 1.6, 1.7, 1.9, 1.10, 1.11
	Fractions	<b>3.NO.3</b> Understand, express and order fractions between zero and one, simple mixed numbers, and whole numbers as fractions (3.NF.1,2) <b>3.NO.4</b> Understand and create equivalent fractions with denominators 2,3,4,6,8 using fraction models (3.NF.3)		<b>Chapter:</b> 8.1, 8.2, 8.3, 8.4, 8.5, 8.7, 8.8, 8.9 <b>Chapter:</b> 8.6, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7
<b>OPERATIONS AND ALGEBRAIC THINKING</b>				
<b>Essential Question:</b> How do numerical patterns link us to an infinite God?			<b>Big Idea:</b> Exploring numerical patterns through problem solving links us to an infinite God by demonstrating His order and constancy.	
3	Multiplication/ Division	<b>3.OAT.1</b> Understand the meaning and relationship of multiplication and division ((3.OA.1,2,6)		<b>Chapter:</b> 3.1, 3.2, 6.2, 6.3, 6.4, 6.7
		<b>3.OAT.2</b> Memorize and fluently multiply and divide using the multiplication facts through 10 (3.OA.3,7); mentally multiply by 10 and 100 (3.NBT.3)		<b>Chapter:</b> 3.3, 3.5, 4.1, 4.2, 4.3, 4.5, 4.8, 4.9, 6.1, 6.5, 6.6, 6.8, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 5.3, 5.4, 5.5
		<b>3.OAT.3</b> Represent and determine the unknown whole number in an equation (3.OA.4)		<b>Chapter:</b> 5.2, 7.8
		<b>3.OAT.4</b> Apply properties of operations (commutative, associative, distributive) to multiply and divide (3.OA.5)		<b>Chapter:</b> 3.6, 3.7, 4.4, 4.6, 6.9
Problem Solving	<b>3.OAT.5</b> Solve two-step word problems using the four basic operations and estimate to check (3.OA.8)		<b>Chapter:</b> 1.12, 3.4, 4.10, 7.10, 7.11	
	<b>3.OAT.6</b> Begin to understand and apply the standard order of operations (3.OA.8)		<b>Chapter:</b> 1.12, 3.4, 4.10, 7.10, 7.11	
Patterns	<b>3.OAT.7</b> Identify arithmetic patterns using properties of operations (3.OA.8)		<b>Chapter:</b> 1.1, 4.7, 5.1	
<b>MEASUREMENT</b>				
<b>Essential Question:</b> What do the attributes of measurement reveal about God?			<b>Big Idea:</b> The attributes of measurement reveal God's accuracy, dependability and precision.	
3	Measurement	<b>3.M.1</b> Solve problems involving measurement and estimation of intervals of time (nearest minutes, liquid volume (liter), and masses of objects (gram, kilogram) (3.MD.1,2)		<b>Chapter:</b> 10.1, 10.2, 10.3, 10.4, 10.5, 10.7, 10.8, 10.9
		<b>3.M.2</b> Read and understand a calendar using day, week, month, and year		
		<b>3.M.3</b> Explain and measure temperature using Celsius and Fahrenheit scales		
Geometric Measurement	<b>3.M.4</b> Understand concepts of area and its measurement by counting unit squares (cm <sup>2</sup> , m <sup>2</sup> , in <sup>2</sup> , ft <sup>2</sup> ); apply multiplication and addition to area (3.MF.5,6,7)		<b>Chapter:</b> 11.4, 11.5, 11.6, 11.7, 11.8	
	<b>3.M.5</b> Solve real-world and mathematical problems recognizing area and perimeter of plane figures; distinguish between linear and area measurements (3.MD.8)		<b>Chapter:</b> 11.1, 11.2, 11.3, 11.9, 11.10	
Money	<b>3.M.6</b> Construct various equivalent combinations of money; add and subtract money amounts			

## GEOMETRY

**Essential Question:** What does geometry reveal about God?

**Big Idea:** God is revealed as the Master Designer when geometry is used as a means of describing the attributes of the physical world.

3

Shapes

**3.GEO.1** Sort and classify shapes to compare and contrast attributes (3.G.1,2)

**Chapter:** 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9

Fractions

**3.GEO.2** Partition shapes into equal areas and express as a fraction (3.G.2)

**Chapter:** 12.9

## DATA ANALYSIS, STATISTICS, AND PROBABILITY

**Essential Question:** How can we quantify our findings in a way that pleases God

**Big Idea:** God has at various times commanded men to count, measure, and record their findings.

3

Data

**3.DSP.1** Draw and interpret scaled picture and bar graphs to represent a data set (3.MD.3)

**3.DSP.2** Measure length using rulers marked with halves and fourths of an inch and the nearest whole centimeter; show data by making a line plot (3.MD.4)

**Chapter:** 2.1, 2.2, 2.3, 2.4, 2.5, 2.6  
**Chapter:** 2.7