

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.	
5	Place Value	<b>5.NO.1</b> Read, write, and compare decimals to the thousandths place using standard, number name, and expanded forms; round decimals to any place (5.NBT.3,4) <b>5.NO.2</b> Explain patterns in relation to the powers of 10 (5.NBT.1,2)		<b>Chapter:</b> 3.2, 3.3, 3.4  <b>Chapter:</b> 1.1, 1.2, 1.4, 1.5, 3.1, 4.1, 4.3, 4.4, 4.7, 4.8, 5.1, 5.4, 5.6
	Basic Operations	<b>5.NO.3</b> Multiply multi-digit whole numbers; divide using a two-digit divisor and up to a four-digit dividend; add, subtract, multiply and divide decimals up to the hundredths place (5.NBT.5,6,7)		<b>Chapter:</b> 1.3, 1.6, 1.7, 1.8, 1.9, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 2.9, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8
	Fractions	<b>5.NO.4</b> Add and subtract fractions and mixed numbers with unlike denominators; multiply a fraction or a whole number by a fraction; divide fractions by whole numbers (5.NF.1,2,3,4,5,6,7) <b>5.NO.5</b> Simplify fractions to lowest terms		<b>Chapter:</b> 2.7, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 7.10, 8.3, 8.1, 8.2, 8.4, 8.5
<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.	
5	Numerical Expressions	<b>5.OAT.1</b> Write and interpret simple numerical expressions using parentheses, brackets, and braces (5.OA.1,2)		<b>Chapter:</b> 1.10, 1.11, 1.12
	Factors	<b>5.OAT.2</b> Determine the least common multiple (LCM) and greatest common factor (GCF) of two numbers		
	Patterns	<b>5.OAT.3</b> Generate, identify the relationship, and graph ordered pairs using numerical patterns with two given rules (5.OA.3)		<b>Chapter:</b> 9.5, 9.6, 9.7
<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.	
5	Conversion	<b>5.M.1</b> Convert like units within a given measurement system (e.g., cm to m, m to cm) (5.MD.1)		<b>Chapter:</b> 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7
	Volume	<b>5.M.2</b> Understand concepts of volume measurement in cubic measure (cm <sup>3</sup> , in <sup>3</sup> , ft <sup>3</sup> ) and apply to multiplication and addition (5.MD.3,4,5)		<b>Chapter:</b> 11.5, 11.6, 11.7, 11.8, 11.9, 11.10, 11.11, 11.12
	Geometric Measurement	<b>5.M.3</b> Know the relationship between radius and diameter		

## 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.

5	Graphs	5.GEO.1	Graph points in the first quadrant of the coordinate plane to solve real-world and mathematical problems (5.G.1,2)		Chapter: 9.2, 9.3, 9.4
	Sides/Angles	5.GEO.2	Classify two-dimensional figures into categories based on their properties of sides and angles (5.G.3,4)		Chapter: 11.1, 11.2, 11.3, 11.4

## 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.

5	Data	5.DSP.1	Use basic operations to solve problems using a line plot to display a data set of measurement in fractions of a unit (halves, fourths, and eighths) (5.MD.2)		Chapter: 9.1
		5.DSP.2	Find the mean, median, mode and range of a given set of data		