

GRADE	CONTENT	SKILLS	ALTERNATIVE MATH CURRICULUM CHAPTERS	GO MATH! CHAPTERS/BIG IDEAS MATH LESSON SECTIONS
NUMBERS AND OPERATIONS				
Essential Question: How can we use God's gift of the number system to understand the world and all created things?			Big Idea: The use of the number system to help us understand the world and all created things is a gift from God.	
8	Rational/Irrational Numbers	8.NO.1 Informally understand and use number sense for irrational numbers (8.NS.1,2)		Section: 6.3, 6.3b, 6.4
OPERATIONS AND ALGEBRAIC THINKING				
Essential Question: What do mathematical principles demonstrate about God.			Big Idea: The consistency of mathematical principles continues to demonstrate the orderliness and precision of God.	
8	Expressions/Equations/Inequalities	8.OAT.1 Work with radicals and integer exponents (8.EE.1,2,3,4)		Section: 6.1, 6.2, 6.3, 6.3b, 6.5, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.6b
		8.OAT.2 Understand and graph the connections between proportional relationships, lines, slope, and linear equations (.EE.5,6)		Section: 1.5, 2.2, 2.2b, 2.3, 2.4, 3.1, 3.2, 3.4, 4.4b
		8.OAT.3 Analyze and solve linear equations and pairs of simultaneous linear equations (8.EE.7,8)		Section: 1.1, 1.2, 1.3, 1.3b, 1.4, 2.1, 2.5, 2.6, 2.7, 3.5, 8.1, 8.2, 8.3, 8.4
	8.OAT.4 Define, evaluate, compare, and use functions to model relationships between quantities (8.F.1,2,3,4,5)	Section: 3.2, 3.3, 3.4, 4.1, 4.2, 4.3, 4.4, 4.4b		
Functions				
MEASUREMENT				
Essential Question: How can we show honor to God by being faithful and accurate in our measurements?			Big Idea: God is concerned that we be accurate and orderly in our use of weights, measures, and numbers.	
8	Mathematical Precision	8.M.1 Use appropriate significant digits in calculations		
GEOMETRY				
Essential Question: How does the study of geometrical principles help us to better understand God's creation?			Big Idea: Study of geometrical principles results in a greater understanding of the complexity of God's creation.	
8	Figures	8.GEO.1 Understand congruence and similarity using various mediums including geometric software (8.G.1,2,3,4,5)		Topic 1, Section: 5.1, 5.2, 5.3, 5.4, 5.5
		8.GEO.2 Understand and apply the Pythagorean Theorem (8.G.6,7,8)		Section: 6.2, 6.5
	Volume	8.GEO.3 Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres (8.G.9)		Topic 2
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.	
8	Statistics and Probability	8.DSP.1 Investigate patterns of association to bivariate data (8.SP.1,2,3,4)		Section: 2.1, 7.1, 7.2, 7.3, 7.3b, 7.4