HIGHLANDS MIDDLE SCHOOL
9 WEEK PACING GUIDE

Grade 8 MATH QUARTER 1	Numbers and Operations	Algebraic Concepts	Geometry	Measurement, Data and Probability
SAS MODULE 1 (Suggested Timeline: 4 weeks)	CC.2.1.8.E.1 Distinguish between rational and irrational numbers using their properties.	CC.2.2.8.B.1 Apply concepts of radicals and integer exponents to generate equivalent expressions.		
	ASSESSMENT	ASSESSMENT		
SAS MODULE 2 (Suggested Timeline: 5 weeks)		.	CC.2.3.8.A.2 Understand and apply congruence, similarity, and geometric transformations using various tools.	
			ASSESSMENT	
			CC.2.3.8.A.3 Understand and apply the Pythagorean Theorem to solve problems.	
			ASSESSMENT	

Grade 8 MATH QUARTER 2	Numbers and Operations	Algebraic Concepts	Geometry	Measurement, Data and Probability
SAS MODULE 3 (Suggested Timeline: 5 weeks)			CC.2.3.8.A.2 Understand and apply congruence, similarity, and geometric transformations using various tools.	
			ASSESSMENT	

	Numbers and Operations	Algebraic Concepts	Geometry	Measurement, Data and Probability
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			CC.2.3.8.A.3 Understand and apply the Pythagorean Theorem to solve problems.	
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SAS MODULE 4 (Suggested Timeline: 8 weeks)		CC.2.2.8.B.2 Understand the connections between proportional relationships, lines, and linear equations.		
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		CC.2.2.8.B.3 Analyze and solve linear equations and pairs of simultaneous linear equations.		
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Grade 8 MATH QUARTER 3	**Numbers and Operations**	**Algebraic Concepts**	**Geometry**	**Measurement, Data and Probability**
SAS MODULE 5 (Suggested Timeline: 3 weeks)		CC.2.2.8.C1 Define, evaluate, and compare functions.	CC.2.3.8.A.1 Apply the concepts of volume of cylinders, cones, and spheres to solve real-world and mathematical problems.	
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SAS MODULE 6 (Suggested Timeline: 4 weeks)		CC.2.2.8.C.2 Use concepts of functions to model relationships between quantities.		CC.2.4.8.B.1 Analyze and/or interpret bivariate data displayed in multiple representations.
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				CC.2.4.8.B.2 Understand that patterns of association can be seen in bivariate data utilizing frequencies.
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Grade 8 MATH QUARTER 4	Numbers and Operations	Algebraic Concepts	Geometry	Measurement, Data and Probability
SAS MODULE 7 (Suggested Timeline: 7 weeks)	CC.2.1.8.E.1 Distinguish between rational and irrational numbers using their properties.			
	ASSESSMENT			
	CC.2.1.8.E.4 Estimate irrational numbers by comparing them to rational numbers.			
	ASSESSMENT			