Ganado Unified School District
(Academic Intervention – Approaches in AIMS Math)

ACADEMIC INTERVENTION for Students Who Approach the Standard in AIMS Math
PACING Guide SY 2014-2015

Semester 1

Timeline & Resources	AZ College and Career Readiness Standard	Essential Question (HESS Matrix)	Learning Goal	Vocabulary (Content/Academic)
WEEK				
1	Number and Operations	Why do we need more than simple integers to do math?	Number sense, Ops, and Estimation	Integer, whole number, rational number, irrational number, imaginary number, real number system
2	Number and Operations	When is it appropriate to add, or subtract, or multiply, or divide	Number Sense, Ops, and Estimation	distance absolute value, sum, product, order of operations, communative, associative
3	Data Analysis, Probability and Discrete	Where in our lives do we use data analysis?	Data Analysis	Independent, dependent, event, mean, median, mode, range estimate
4	Data Analysis, Probability and Discrete		Probability/System Listing	
5	Patterns, Algebra and Functions	Why do we graph?	Patterns/Functions	Coordinates, equation, slope, rate Slope-intercept, expression, domain & range, function, table of

				values, radical
6	Patterns, Algebra and Functions		Representations/Analysis of Change	
7	Geometry and Measurement	Where is geometry used in the economy?	Properties/Transformations	Sine, cosine, tangent, vertex, base, height, radius, midpoint, surface area, perimeter parallel, Pythagorean Theorem, radius, diameter, tangent, secant line, chord, tangent line
8	Geometry and Measurement	How is midpoint like mean? How is distance foemula the same as Pythagorean Theorem?	Coordinate Geo/Measurement	Midpoint, distance, slope
9	Structure and Logic	Why use logic in your life?	Logic. Reasoning, Problem-Solving, Proof	
10	Structure and Logic	Why use logic in your life?		If-then statement, premise, counter-example
11	Review & Peptalk		All topics	
12	Fall AIMS Test			
13	CLOSE reading for word problems		Algebra and patterns	
14	CLOSE reading for word problems		Geometry	
15	CLOSE reading for word problems		Data Analysis	
16	CLOSE reading for word problems		Number sense	
17	CLOSE reading for word problems		Logic	
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Semester 2

1	Number and Operations	Why do we need more than simple integers to do math?	Number sense, Ops, and Estimation	Integer, whole number, rational number, irrational number, imaginary number, real number system
2	Number and Operations	When is it appropriate to add, or subtract, or multiply, or divide	Number sense, Ops, and Estimation	distance absolute value, sum, product, order of operations, communative, associative
3	Data Analysis, Probability and Discrete	Where in our lives do we use data analysis?	Data Analysis	Independent, dependent, event, mean, median, mode, range estimate
4	Data Analysis, Probability and Discrete	Why do we graph?	Probability/System Listing	Coordinates, equation, slope, rate Slope-intercept, expression, domain & range, function, table of values, radical
5	Patterns, Algebra and Functions		Patterns/Functions	
6	Patterns, Algebra and Functions		Representations/Analysis of Change	
7	Geometry and Measurement	Where is geometry used in the economy?	Properties/Transformations	Sine, cosine, tangent, vertex, base, height, radius, midpoint, surface area, perimeter parallel, Pythagorean Theorem, radius, diameter, tangent,

				secant line, chord, tangent line
8	Geometry and Measurement	How is midpoint like mean? How is distance foemula the same as Pythagorean Theorem?	Coordinate Geo/Measurement	Midpoint, distance, slope
9	Structure and Logic	Why use logic in your life?	Logic. Reasoning, Problem-Solving, Proof	
10	Structure and Logic	Why use logic in your life?		If-then statement, premise, counter-example
11	Review & Peptalk		All topics	
12	Spring AIMS Test			
13	CLOSE reading for word problems		Algebra and patterns	
14	CLOSE reading for word problems		Geometry	
15	CLOSE reading for word problems		Data Analysis	
16	CLOSE reading for word problems		Number sense	
17	CLOSE reading for word problems		Logic	
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