

# Ganado Unified School District (Math Intervention)

## PACING Guide SY 2014-2015

Timeline & Resources	AZ College and Career Readiness Standard	Essential Question (HESS Matrix)	Learning Goal	Vocabulary (Content/Academic)
1 <sup>st</sup> Quarter Unit 1  Evaluate, Create, and Write Expressions  4 weeks	A-SSE 1. Interpret expressions that represent a quantity in terms of its context. a. Interpret parts of an expression, such as terms, factors, and coefficients.	How do you write and evaluate expressions representing real world situations?	I will write algebraic expressions based on verbal models and evaluate these models using order of operations.	Variable Coefficients Terms Algebraic expression Order of operations Verbal model
Unit 2  Write equations and use problem solving plans.  3 weeks	A-CED 1. Create equations and inequalities in one variable and use them to solve problems. <i>Include equations arising from linear ... functions</i>	How do you write equations and inequalities?  How do you write an expression to represent a real world situation?  How do you write and solve equations using addition, subtraction, multiplication and division?	I will write equations and inequalities based on real-world situations. I will solve equations and inequalities.	Equation Inequality Solution of an Equation Solution of an inequality Formula
Unit 3  Represent Functions as rules, tables,	A-CED 2. Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales	How do you represent function as tables, rules and graphs?  How do you use graphs of	I will understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range	Function Domain Range Independent Variable Dependent Variable

and graphs 3 weeks		a function to solve real-world problems?	I will model relationships based on real-world data.	
2 <sup>nd</sup> Quarter Unit 4  Use Integers and Rational Numbers. Add and Subtract Real Numbers  4 weeks	AZ-HS.N-Q.A.2. Define appropriate quantities for the purpose of descriptive modeling. [From cluster: Reason quantitatively and use units to solve problems].	How do I add and subtract positive and negative integers?  How do I compare positive and negative integers?	I will calculate and compare real-world items such as sports scores and temperatures.	Whole Numbers Integers Rational Numbers Opposites Absolute Value Conditional Statement Additive identity Additive inverse
Unit 5  Multiply Real Numbers and apply the distributive property.  3 weeks	AZ-HS.A-SSE.A.1. Interpret expressions that represent a quantity in terms of its context. [From cluster: Interpret the structure of expressions]  AZ-HS.A-SSE.A.1.a Interpret parts of an expression, such as terms, factors, and coefficients. [From cluster: Interpret the structure of expressions]	How do I perform operations and use properties of real numbers to simplify expressions?	I will identify the various parts of an expression and use properties of real numbers to simplify expressions.	Multiplicative Identity Equivalent Expressions Distributive Property Term Coefficient Constant Term Like Terms
Unit 6  Multiply Real Numbers and apply the distributive property.  3 weeks	NCTM Standard 1: Understand relationships among numbers: Understand number systems	How do I compare real numbers?  How do I evaluate real numbers through division and by taking square roots?	I will classify real numbers and order real numbers using square root approximations where appropriate.	Multiplicative inverse Reciprocal Mean Perfect Square Square Root Radicand Irrational number Real Number