

Pacing Guide: Algebra 1 A					
Content and Duration	Content Expectation (GLCE/HSCE)	Student Learning Targets	Content Vocabulary	Required Activities	Common Assessments and Rubrics
UNIT #1 Using Algebra to Describe 2-3 weeks		<i>Students will be able to:</i> - evaluate numerical and algebraic expressions - apply the algebraic definitions of addition and subtraction - identify and apply the associative, commutative, and transitive properties - use variables to describe patterns - create expressions to model real-life situations - determine if two expressions seem equivalent by creating tables, graphs, and using algebra - create scatterplots and graph ordered pairs - evaluate expressions involving absolute values	variable algebraic expression evaluating expressions pattern instance factor sequence term equivalent expressions counterexample scatterplot domain of a variable window Xmin Xmax Ymin Ymax Xscl Yscl standard window absolute value origin range mean absolute deviation symmetric skewed right skewed left uniform	1.1 #1-29 1.2 #1-22 1.3 #1-19 1.4 #1-21 1.5 #1-26 1.6 #1-21 1.7 #1-21 Unit Review WKS	Quiz #1 Quiz #2 Unit Test Homework Quiz Algebra 1 A Exam

		<ul style="list-style-type: none">- use graphs to appropriately find values, create tables, and select appropriate windows- calculate the mean and mean absolute deviation- calculate and interpret the spread of a distribution using the mean absolute deviation			
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UNIT #2 Using Algebra to Explain 2-3 weeks		<i>Students will be able to:</i> - use the distributive property to expand and combine like terms - use and apply the distributive property to perform calculations mentally - use algebra to explain why number puzzles work - use the opposite of opposites, opposite of a sum, and opposite of a difference properties to simplify expressions - apply and recognize the following properties: multiplicative identity multiplicative inverse multiplication prop. of 0 zero product - use a spreadsheet or table to test equivalence - use technology to test	like terms coefficient factoring additive inverse opposite distributive property additive identity multiplicative identity multiplicative inverse zero product property	2.1 #1-24 2.2 #1-33 2.3 #1-30 2.4 #1-31 2.5 #1-18 2.6 #1-19 2.7 #1-25 2.8 #1-36 Unit Review WKS	Quiz #1 Quiz #2 Unit Test Homework Quiz Algebra 1 A Exam

		<p>equivalence</p> <ul style="list-style-type: none">- use related facts (fact triangles) to solve equations- apply and recognize the following properties:<ul style="list-style-type: none">additive identityadditive inverseaddition property of equality			
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UNIT #3 Linear Equations and Inequalities 2-3 weeks		<i>Students will be able to:</i> - solve problems in the form $y = ax + b$ using tables or graphs - use linear equations to solve real-world problems - apply the addition and multiplication properties of equality - solve and check linear equations of the form $ax + b = c$ - use linear equations of the form $ax + b = c$ to solve real-world problems - solve and check linear inequalities of the form $ax + b < c$ - graph the solutions to a linear inequality	constant increase collinear constant decrease solution to an equation equivalent equations inequality boundary point interval endpoint	3.1 #1-20 3.2 #1-24 3.3 #1-19 3.4 #1-29 3.5 #1-25 3.6 #1-25 3.7 #1-28 3.8 #1-27 Unit Review WKS	Quiz #1 Quiz #2 Unit Test Homework Quiz Algebra 1 A Exam

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UNIT #4 More Linear Equations and Inequalities 2-3 weeks		<i>Students will be able to:</i> - solve and check equations in the form $ax + b = cx + d$ - solve and check inequalities in the form $ax + b < cx + d$ - find equivalent forms of formulas and equations - solve percent problems - solve absolute value problems - recognize when sentences have no solution or every real number is a solution - use linear equations and inequalities to solve real-world problems - use tables and graphs to solve real-world problems involving linear situations	percent horizontal lines $(y = k)$ vertical lines $(x = h)$ general linear equation $(ax + b = cx + d)$ celsius scale centigrade scale fahrenheit scale input output equivalent formulas compound sentence intersection union \pm notation	4.1 #1-28 4.2 #1-27 4.3 #1-16 4.4 #1-30 4.5 #1-21 4.6 #1-18 4.7 #1-23 4.8 #1-24 4.9 #1-28 Unit Review WKS	Quiz #1 Quiz #2 Unit Test Homework Quiz Algebra 1 A Exam

		<ul style="list-style-type: none">- graph horizontal and vertical lines- use graphs to solve problems involving linear equations- use graphs to model sentences that have no solution or every real number is a solution- use graphs to solve absolute value inequalities			
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