GADSDEN CITY CURRICULUM GUIDE ESSENTIAL CONTENT AND SKILLS ALGEBRA1 A COS (BLOCK) *TEXT: GLENCOE ALGEBRA 1*

Date Taught	Objective	Standard	Text Section	Section Name	Additional Resources	Suggested Time Frame	Chapter Time Frame
	*Use the four step problem solving plan.		0-1	Plan for Problem Solving		1 day	8 days
	*Classify and use real numbers.		0-2	Real Numbers			
	*Add, subtract, multiply and divide real numbers.		0-3	Operations with Integers		1 day	
	*Compare and order, add and subtract rational numbers.		0-4	Adding and Subtracting Rational Numbers			
	*Multiply and divide rational numbers.		0-5	Multiplying and Dividing Rational Numbers		1 day	
	*Use and apply the percent proportion.		0-6	The Percent Proportion			
	*Find the perimeter of two dimensional figures.		0-7	Perimeter		1 day	
	*Find the area of two dimensional figures.		0-8	Area			
	*Find the volume of rectangular prisms and cylinders.		0-9	Volume		1 day	
	*Find the surface area of rectangular prisms and cylinders.		0-10	Surface Area			
	*Find the probability and odds of simple events.		0-11	Simple Probability and Odds		1 day	
	*Find measures of central tendency, variation,and position.		0-12	Measures of Center, Variation, and Position		1 day	
	*Represent sets of data using different visual displays.		0-13	Representing Data			
	Review and Assess					1 day	

Date Taught	Objective	Standard	Text Section	Section Name	Additional Resources	Suggested Time Frame	Chapter Time Frame
	*Write verbal expressions for algebraic expressions. *Write algebraic expressions for verbal expressions.	A.SSE.1a, A.SSE.2	1-1	Variables and Expressions		1 day	
	*Exaluate numerical expressions by using the order of operations. *Evaluate algebraic expressions by using the order of operations.	A.SSE.1b, A.SSE.2	1-2	Order of Operations		1.5 days	
	*Recognize the properties of equality and identity. *Recognize the Commutative and Associative properties.	A.SSE.1b, A.SSE.2	1-3	Properties of Numbers		1.5 days	
	*Use the distributive property to evaluate expressions. *Use the distributive property to simplify expressions.	A.SSE.1a, A.SSE.2	1-4	The Distributive Property		1 day	
	*Solve equations with one variable. *Solve equations with two variables.	A.CED.1, A. REI.3	1-5	Equations		2 days	14 days
	*Represent relations. *Interpret graphs of relations.	A.REI.10, F.IF.1	1-6	Relations		1.5 days	
	*Determine whether a relation is a function. *Find function values.	F.IF.1, F.IF.2	1-7	Functions		2 days	
	*Interpret intercepts and symmetry of graphs of functions. * Interpret positive, negative, increasing and decreasing behavior,extreme and end behavior of graphs of functions.	F.IF.4	1-8	Interpreting Graphs of Functions		1 day	
	Review and Assess					2 days	

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	*Translate sentences into equations. *Translate equations into sentences.	A.CED.1	2-1	Writing Equations		1 day	
	*Solve equations by using addition and subtraction. *Solve equations by using multiplication and division.	A.REI.1, A.REI.3	2-2	Solving One-Step Equations		1.5 days	
	*Solve equations involving more than one operation. *Solve equations involving consecutive integers.	A.REI.1, A.REI.3	2-3	Solving Multi-Step Equations		1.5 days	
	*Solve equations with the variable on each side. *Solve equations involving grouping symbols.	A.REI.1, A.REI.3	2-4	Solving Equations with the Variable on Each Side		1 day	
	*Evaluate absolute value expressions. * Solve absolute value equations.	A.REI.1, A.REI.3	2-5	Solving Equations Involving Absolute Value		1 day	13 days
	*Compare ratios. *Solve proportions.	A.REI.1, A.REI.3	2-6	Ratios and Proportions		1.5 days	
	*Find the percent of change. *Solve problems involving percent of change.	N.Q.1, A.REI.3	2-7	Percent of Change		1.5 days	
	*Solve equations for given variables. *Use formulas to solve real world problems.	A.CED.4, A.REI.3	2-8	Literal Equations and Dimensional Analysis		1 day	
	*Solve mixture problems. *Solve uniform motion problems.	A.REI.1, A.REI.3	2-9	Weighted Averages		1 day	
	Review and Assess					2 days	

Date Taught	Objective	Standard	Text Section	Section Name	Additional Resources	Suggested Time Frame	Chapter Time Frame
	*Identify linear equations, intercepts, and zeros. *Graph linear equations.	F.IF.4, F.IF.7a	3-1	Graphing Linear Equations		1 day	11 days
	*Solve linear equations by graphing. *Estimate solutions to a linear equation by graphing.	A.REI.10, F.IF.7a	3-2	Solving Linear Equations by Graphing		1.5 days	
	*Usr rate of change to solve problem *Find the slope of a line.	F.IF.6, F.LE.1a	3-3	Rate of Change and Slope		1.5 days	
	*Write and graph direct variation equations. *Solve problems involving direct variation.	A.REI.10, F.IF.7a	3-4	Direct Variation		1 day	
	*Recognize arithmetic sequences. *Relate arithmetic sequences to linear functions.	F.BF.2, F.LE.2	3-5	Arithmetic Sequences as Linear Functions		2.5 days	
	*Write an equation for a proportional relationship. *Write an equation for a nonproportional relationship.	F.LE.1b, F.LE.2	3-6	Proportional and Non-Proportional Relationships		1.5 days	
	Review and Assess					2 days	

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Date Taught	Objective	Standard	Text Section	Section Name	Additional Resources	Suggested Time Frame	Chapter Time Frame
	*Write and graph linear equations in slope-intercept form. *Model real world data with equations in slope-intercept form.	F.IF.7a, S.ID.7	4-1	Graphing Equations in Slope-Intercept Form		2 days	
	*Write an equation of a line in slope-intercept form given the slope and one point. *Write an equation of a line in slope-intercept form given two points.	F.BF.1, F.LE.2	4-2	Writing Equations in Slope-Intercept Form		1 day	
	*Write equations of lines in point-slope form form. *Write linear equations in different forms.	F.IF.2, F.LE.2	4-3	Writing Equations in Point-Slope Form		1 day	
	*Write an equation of the line that passes through a given point, parallel to a given line. *Write an equation of the line that passes through a given point , perpendicular to a given line.	F.LE.2, S.ID.7	4-4	Parallel and Perpendicular Lines		1 day	12 days
	*Investigate relationships between quantities by using points on scatter plots. *Use lines of fit to make and evaluate predictions	S.ID.6a, S.ID.6c	4-5	Scatter Plots and Lines of Fit		1.5 days	
	*Write equations of best-fit lines using linear regression. *Write equations of median-fit lines.	S.ID.6, S.ID.8	4-6	Regression and Median-Fit Lines		1.5 days	
	*Find the inverse of a relation. *Find the inverse of a linear function.	A.CED.2, F.BF.4a	4-7	Inverse Linear Functions		2 days	
	Review and Assess					2 days	

Date Taught	Objective	Standard	Text Section	Section Name	Additional Resources	Suggested Time Frame	Chapter Time Frame
	*Solve linear inequalities by using addition. *Solve linear inequalities by using subtraction.	A.CED.1,A.REI.3	5-1	Solving Inequalities by Addition and Subtraction		1 day	11 days
	*Solve linear inequalities by using multiplication. *Solve linear inequalities by using divison.	A.CED.1, A.REI.3	5-2	Solving Inequalities by Multiplication and Division		2 days	
	*Solve linear inequalities involving more than one operation. *Solve linear inequalities by using the distributive property.	A.CED.1, A.REI.3	5-3	Solving Multi-Step Inequalities		1 day	
	*Solve compound inequalities containing "and," and graph the solution set. *Solve compound inequalites containing the word "or," and graph the solution set.	A.CED.1, A.REI.3	5-4	Solving Compound Inequalities		2 days	
	*Solve and graph absolute value inequalities (<). *Solve and graph absolute value inequalities (>).	A.CED.1, A.REI.3	5-5	Inequalities involving Absolute Value		1 day	
	*Graph linear inequalities on the coordinate plane. *Solve inequalities by graphing.	A.CED.3, A.REI.12	5-6	Graphing Inequalities in Two Variables		2 days	
	Review and Assess					2 days	

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	*Determine the number of solutions a system of linear equations has. *Solve systems of linear equations by graphing.	A.CED.3, A.REI.6	6-1	Graphing Systems of Equations		2 days	12 days
	*Solve systems of equations by using substitution. *Solve real-world problems involving systems of equations by using substitution.	A.CED.3, A.REI.6	6-2	Subsitiution		1 day	
	*Solve systems of equations by using elimination with addition. *Solve systems of equations by using elimination with subtraction.	A.CED.2, A.REI.6	6-3	Elimination Using Addition and Subtraction		2 days	
	*Solve systems of equations by using elimination with multiplication. *Solve real-world problems involving systems of equations.	A.REI.5, A.REI.6	6-4	Elimination Using Multiplication		1 day	
	*Determine the best method for solving systems of equations. *Apply systems of equations.	A.REI.6	6-5	Applying Systems of Linear Equations		2 days	
	*Solve systems of linear inqualities by graphing. *Apply systems of linear inequalities.	A.REI.12	6-6	Systems of Inequalities		2 days	
	Review and Assess					2 days	