

Houston County Schools
Algebra 1 A/B (one year) Pacing Guide
2011-2012

1st NINE WEEKS				
SECTION	OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
1.1	Translate words into expressions		VI-1, VII-8	
1.2	Order of Operations	1	I-1	
1.3-1.4	Commutative, Associative, Distributive Prop	1, 11	I-1	
1.6	Collect and organize data using tables	12, 13		
1.7	Construct and interpret line graphs and histograms	12, 13		
2.1	Graph integers on a number line and coordinate plane	10	I-1	
2.2	Compare and order integers	10	I-1	
2.3	Adding integers	1	I-1	
2.4	Subtracting integers	1	I-1	
2.5	Multiplying integers	1	I-1	
2.6	Dividing integers	1	I-1	
3.1	Compare and order rational numbers	1	I-1	
3.2	Add and subtract rational numbers	1	I-1	
3.3	Find mean, mode, median, and range of data	12	VII-5	
3.4	Determine whether a given number is a solution of an equation		II-1	
3.5-3.6	Solve addition or subtraction equation	7, 11	II-1	
3.7	Solve equations with absolute value	7	II-1	
4.1-4.2	Multiplying rational numbers/counting outcomes	1	I-1	
4.3	Dividing rational numbers	1	I-1	
4.4	Solve equations with multiplication and division	7	II-1	
4.5	Solve equations involving more than one operation	7	II-1	
4.6	Solve equations with variables on both sides	7	II-1	
4.7	Solve equations with grouping symbols	7	II-1	
END OF 1 ST NINE WEEKS				

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2nd NINE WEEKS				
SECTION	OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
5.1	Solve proportions		II-2, VII-8	
5.2	Solve scale drawings	7	II-1, VII-8	
5.3	Solve percent proportions	7	II-1, VII-8	
5.4	Solve percent equations	7	II-1, VII-8	
5.5	Find percent of increase/decrease	7	II-1, VII-8	
5.6	Find probability/odds of simple events	15	VII-6	
5.7	Find probability of mutually exclusive events	15	VII-6	
6.1	Show relations as a set of ordered pairs, in tables, and as graphs	3		
6.2	Solve linear equations for a given domain and find the range	3	III-1	
6.3	Graphing linear relations	2	V-1,2,4; VI-1	
6.4	Determine whether a given relation is a function	2, 3	III-1,2; V-1,2,4	
6.5	Solve direct variation problems	4, 7	VII-7	
6.6	Solve inverse variation problems	4, 7		
7.1	Find the slope of a line given two points/given a graph	2, 10	IV-2	
7.2	Write a linear equation in point-slope form given a point and slope	2	IV-2	
7.3	Write equations of linear equations in slope intercept form and standard form	2	IV-2	
7.4	Graph and interpret points on scatter plots	12, 14	VII-8	
7.5	Graph lines using slope and y-intercept/graph lines using intercepts	2	V-1,2,4; VI-1	
7.6	Families of linear graph		III-1	
7.7	Write equations of linear equations parallel or perpendicular to given lines	2	IV-2	
END OF 2 ND NINE WEEKS/SEMESTER EXAM				

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3RD NINE WEEKS				
SECTION	OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
8.1	Powers and exponents	1, 5		
8.2	Multiplying/dividing powers & exponents	1, 5		
8.3	Simplify negative exponents	1, 5		
8.4	Express numbers in scientific notation			
8.5	Simplify radicals	1		
8.6	Estimate square roots	1		
8.7	Use the Pythagorean Theorem		VII-2	
9.1	Identify and classify polynomials	5, 11	I-1	
9.2	Add or subtract polynomials	5	I-2	
9.3	Multiply polynomials	5, 11	I-3	
9.4	Multiply two binomials	5	I-3	
9.5	Special products	5	I-3	
10.1	Factors	6, 11	I-4, VI-1, VII-8	
10.2	Factoring using the distributive property	6, 11	I-1, VI-1, VII-8	
10.3	Factoring trinomials	6	I-4, VI-1	
10.4	Factoring trinomials	6	I-4, VI-4	
10.5	Factoring difference of two squares and perfect square trinomials	6	I-4, VI-1	
11.1	Graph quadratic functions	4, 9	V-1, 4	
11.2	Introduce families of quadratic functions	6, 9	V-1, 4	
11.3	Solving quadratic equations	6, 9	V-1, 4	
11.4	Solve quadratic equations by factoring	6, 9	I-4	
11.6	Quadratic formula	4, 9	VII-8	
END OF 3 RD NINE WEEKS				

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4TH NINE WEEKS				
SECTION	OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
12.1	Graph inequalities on a number line		II-4, VI-1	
12.2	Solve inequalities involving addition and subtraction	7	II-4	
12.3	Solve inequalities involving multiplication and division	7	II-4	
12.4	Solving multi-step inequalities	7	II-4	
12.5	Solve compound inequalities	7	II-4	
12.6	Solve absolute value inequalities	7	II-4	
12.7	Graph inequalities on a coordinate plane	7	II-4, V-2,3; VI-1	
13.1	Solve systems of equations by graphing	8	II-3, V-1,4; VI-1, VII-8	
13.2	Determine the number of solutions a system has	8	II-3, V-1,4. VI-1, VII-8	
13.3	Solve systems of equations by substitution	8	II-3, VI-1	
13.4	Solve systems of equations by addition and subtraction	8	II-3, VI-1	
13.5	Solve systems of equations by multiplication	8	II-3, VI-1	
13.6	Solve systems of quadratic and linear equations	8, 9	II-3, V-1,4, VI-1	
14.1	The real numbers	1		
14.2	Find the midpoint and distance between two points	1, 10	IV-2	
14.3	Simplify radical expressions	1, 10	IV-2	
14.4	Add or subtract radical expressions	1		
14.5	Solve simple radical equations	1, 7		
15.1	Simplify rational expressions		VII-8	
15.2	Multiply and divide rational expressions		VII-8	
15.3	Divide polynomials by binomials		VII-8	
15.4	Add/Subtract rational expressions with like denominators		VII-8	
15.5	Add/Subtract rational expressions with unlike denominators		VII-8	
15.6	Solve rational equations	4	VII-8	
END OF 4TH NINE WEEKS/SEMESTER EXAM				