

Algebra 1B Instructional Calendar

Chapter/ Section	Topics (SSS refers to the Sunshine State Standards Support Book)	Suggested Timeline (includes testing)/ Notes
	Measures of Central Tendency (p. 780, 804)	5 days for these beginning topics
1.7, MAE 141 (FCAT ER)(SS 6,7,29,43,47,48,74,75)	Table, Bar graph, Line graph (see p. 777), Add Stem & leaf (p. 803), box & whiskers (p. 805) Circle graph (p. 778)	For FCAT, Students should be able to interpret and/or construct : circle graph, single and multiple-line graphs, single and multiple-bar graphs, scatter plots, tables. Students should interpret : Venn Diagram, step-function graph, stem-and-leaf plots, histograms, box-and-whisker plots
MAD 141	Patterns and Sequences	See FCAT problems
	Algebra 1A review (chapters 1 and 2)	8 days
1.3 (SSS 3)	Order of operations	
Take examples from 2.3,4,5,8 (SSS 10,11,12,14)	add,subtract,multiply, divide positive, negative real numbers	Review fractions and decimals as warm ups, include in practice
2.6,7 (SSS 13)	Polynomials- distributive property, combine like terms	
2.8	Evaluate expressions	
1.4,6	Word problems to equations (don't solve yet)	
September 10 and 12	District Preassessment	2 days
	Algebra 1A review (chapter 3)	10 days
3.1,2 (SSS 17,18)	1 step equations	Include fractions, decimals and integers for more practice
3.3 (SSS 19)	Multi-step equations	
3.4 (SSS 20)	Variables on both sides of equation	
Take examples from 3.1,3,4,5,6 (SSS 21)	Word problems to equations and solve	Use FCAT reference sheet to write equations and solve.
Take examples from 3.6,8,9 (SSS 25,26,63,76,78)	% problems (conversions and word problems), review proportions	
	Algebra 1A review (chapter 4)	5 days
4.2,3	Graph linear equations from table	
4.2	Solve for y in terms of x	

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4.5,7 (SSS 32)	Slope (definition and formula), slopes of parallel and perpendicular lines	FCAT skill: verify if lines are parallel or perpendicular
	Algebra 1A review (chapters 5 and 6)	10 days
5.1,2,3 (SSS 34)	Graph using slope intercept form. write equations given 1. m and b, 2. slope and point (from words and graph), 3. 2 pts (from graph only)	Have students write equations using only slope-intercept form (on FCAT reference sheet)
5.4	Starting with standard form- review changing to slope-intercept form in order to graph	
5.5	Word problems!	
6.1-3 (SSS 51,52)	Solve and graph inequalities (one variable)	
6.8 (SSS 54)	Graph linear inequalities in 2 variables	
19-Oct	1st District formative assessment, covers: MAA 343, MAB 141 (FCAT SR)MAB 142, MAD 141, MAE 141(FCAT ER), MAE 341	1 day
MAC 342 (FCAT SR item) (SSS 40,42,84,85)	Using a coordinate system to apply and algebraically verify properties of 2d shapes, including distance, midpoint, slope, parallelism and perpendicularity	see FCAT problems
7.1	Graphing to solve linear systems	16 days
7.2	Solve system by substitution	Do basic problems only, do not spend time here!
7.3	Solve systems by linear combinations	
7.4	Problem solving	Important for FCAT, (SR item)
7.5	Systems with no or infinitely many solutions, identify number of solutions	
7.6	Systems of linear inequalities	
8.1	Exponents: product of powers, power of power, power of product	15 days
8.2	zero and negative exponents, evaluate exponential expressions, simplify expressions	
8.4	Quotient of powers, power of quotients, simplify expression with multiple properties, with negative exponents	
8.5 (SSS 64)	Writing in scientific notation, operations with scientific notation	
16-Jan	2nd District Formative Assessment, covers MAA 144, MAA 441, MAC 342, MAD 142 (FCAT SR), MAD 242 (FCAT SR)	1 day
9.1 (SSS 67)	Positive, negative square roots of numbers, evaluate radical expression	7 days

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9.2 (SSS 65)	Solve quadratic equation by finding square roots, falling object model	
9.3	Simplifying radical, some with denominators, rationalize denominator	
	Geometry	Use FCAT practice problems and extra worksheets, 25 days
P. 808 in text (SSS 15)	Probability (Add Combinations)	MAE 241
(SSS 86-87)	Similarity and indirect measurement	MAB 241, MAC 241
(SSS 68070)	Transformations	MAC 341
(SSS 23-24)	Parallel Lines, angles, properties of polygons, circles, Use the Glossary of Geometry terms (SSS H12 to H22)	MAC 342, 141
March 12 to 25	FCAT Testing	
March 24 or 25	3rd District Formative Assessment, covers MAB 241, MAC 141, MAC 241 (FCAT ER), MAC 341, MAC 342 (FCAT SR), MAE 241	1 day
9.6	Solve quadratic equation by quadratic formula, thrown and dropped objects	7 days
9.7	Using the discriminant to find number of solutions	
10.1	Degree of monomial, identify, add, subtract polynomials	25 days
10.2	Multiply polynomials, distributive property, foil, vertical, horizontal method, multiply binomials to find an area	
10.3	Patterns to multiply: difference of squares, perfect square binomial, area	
10.4	Solve quadratic that is in factored form = 0	
10.5	Factor trinomial with a=1, solve quadratic equation with this trinomial	
10.6	Factor trinomial with a>1, uses trial and error, solve quadratic equation	
10.7	Factor difference of squares, perfect square trinomial, common constant, solve quadratic equation	
11.1	Proportions with binomials in numerator or denominator	5 days
11.3	Simplifying Rational Expressions (practice with factoring)	
May 22 - 23	District Summative Assessment	2 days