

Chapter 3: Solving Linear Equations			
Time (Days)	Sections	Topics	Content Standards
2	3.1	Solving Equations using Addition and Subtraction	5.0
2	3.2	Solving Equations using Multiplication and Division	5.0
2	1.3, 2.6 3.3	Order of Operations, Distributive Property Solving Multi-step Equations	4.0, 5.0, 15.0
2	3.4	Solving Equations with Variables on Both Sides	4.0, 5.0
2		REVIEW/TESTING - Test 3.1 - 3.4 Fri. 9-5-2008	
2	3.6	Solving Decimal Equations	5.0
2	3.7	Formulas and Functions	17.0
2	3.8	Rates, Ratios, and Percents	15.0
2	3.5	Linear Equations and Problem Solving	4.0, 5.0
2		REVIEW/TESTING - Test 3.5 - 3.8 Fri. 9-19-2008	
Total Number of Days = 20			

Chapter 4: Graphing Linear Equations and Functions			
Time (Days)	Sections	Topics	Content Standards
2	1.7 4.1	An Introduction to Functions Coordinates and Scatter Plots	6.0, 7.0, 16.0, 17.0, 18.0
2	4.2	Graphing Linear Equations	6.0, 7.0
2	4.3	Quick Graphs Using Intercepts	6.0
2	4.4	The Slope of a Line	6.0, 7.0
2	4.6	Quick Graphs using Slope-Intercept Form	6.0, 8.0
2	4.8	Functions and Relations	16.0, 17.0, 18.0
2		REVIEW/TESTING - Test Ch. 4 Thurs. 10-9-2008	
Total Number of Days = 14			
Note: Benchmark 1 is Thurs. 9-25-2008 standards 4.0, 5.0			

Chapter 5: Writing Linear Equations			
Time (Days)	Sections	Topics	Content Standards
2	5.1	Writing Equations in Slope-Intercept Form	7.0
2	5.5	Point-Slope Form of a Linear Equation (leave answers in point-slope form)	7.0
2	5.2	Writing Linear Equations Given the Slope and a Point (write answers in point-slope, slope-intercept and standard forms)	7.0, 8.0
2	5.3	Writing Linear Equations Given Two Points (Parallel and Perpendicular in section 5.3) (write answers in point-slope, slope-intercept and standard forms)	7.0, 8.0
2	5.6	The Standard Form of a Linear Equation (write answers in point-slope, slope-intercept and standard forms)	7.0, 8.0
2		REVIEW/TESTING - Test Ch. 5 Tues. 10-28-2008	
Total Number of Days = 12			

Chapter 7: Systems of Linear Equations and Inequalities Linear Inequalities will be covered with Chapter 6			
Time (Days)	Sections	Topics	Content Standards
2	7.1	Solving Linear Systems by Graphing	9.0
2	7.2	Solving Linear Systems by Substitution	9.0
2	7.3	Solving Linear Systems by Linear Combinations	9.0
2	7.4	Applications of Linear Systems	9.0
1	7.5	Special Systems of Linear Systems	9.0, 15.0
2		REVIEW/TESTING - Test Ch. 7 Thurs. 11-13-2008	
Total Number of Days = 11			
Note: Benchmark 2 is Thurs. 11-6-2008 standards 6.0, 7.0			

Chapter 8: Exponents and Exponential Functions			
Time (Days)	Sections	Topics	Content Standards
1	8.1	Multiplication Properties of Exponents	3.0
1	8.2	Negative Exponents	3.0
2	8.3	Division Properties of Exponents	3.0
1	8.4	Scientific Notation	
2		REVIEW/TESTING - Test Ch. 8 Tues. 11-25-2008	
Total Number of Days = 7			

Chapter 10: Polynomials and Factoring			
Time (Days)	Sections	Topics	Content Standards
1	10.1	Adding and Subtracting Polynomials	10.0
1	10.2	Multiplying Polynomials	10.0
1	10.3	Special Products of Polynomials	10.0
1	10.4	Solving Equations in Factored Form	21.0
2		REVIEW/TESTING - Test 10.1 - 10.4 Mon. 12-8-2008	
1	10.5	Factoring $x^2 + bx + c$ (exclude problems using the quadratic formula) Add problems to sections 10.5-10.7 where GCF is factored out first	11.0, 14.0
2	10.6	Factoring $ax^2 + bx + c$ (exclude problems using the quadratic formula)	11.0, 14.0
1	10.7	Factoring Special Products	11.0, 14.0
2	10.8	Factoring using the Distributive Property	11.0, 20.0
2		REVIEW/TESTING - Test 10.5 - 10.8 Thurs. 12-18-2008	
Total Number of Days = 14			

Chapter 9: Quadratic Equations and Functions			
Time (Days)	Sections	Topics	Content Standards
2	9.1	Solving Quadratic Equations by Finding Square Roots	3.0, 23.0
2	9.2	Simplifying Radicals	1.0, 3.0
2	12.2	Operations with Radical Expressions	
2	12.4	Completing the Square (Solving, derive quadratic formula)	19.0
2	9.5	Solving quadratic equations by the quadratic formula Introduce graphs of family of functions	19.0, 20.0
2		REVIEW/TESTING - Test Solving Quadratics Fri. 1-23-2009	
2	9.3	Graphing Quadratic Functions	21.0
2	9.4	Solving Quadratic Equations by Graphing	21.0, 23.0
2	9.6	Applications of the Discriminant	22.0, 23.0
3		REVIEW/TESTING - Test Graphing Quadratics Fri. 2-6-2009	
Total Number of Days = 21			
Note: Benchmark 3 is Thurs. 1-8-2009 standards 2.0, 7.0, 8.0, 9.0, 10.0 Note: Final Exam - 1st Semester is Wed. 1-14-2009			

Chapter 11: Rational Equations and Functions			
Time (Days)	Sections	Topics	Content Standards
1	11.1	Ratio and Proportion	
1	11.2	Percents	
2	11.4	Simplifying Rational Expressions	12.0
2	11.5	Multiplying and Dividing Rational Expressions	13.0
2		REVIEW/TESTING - Test 11.1, 11.2, 11.4, 11.5 Fri. 2-20-2009	
2	11.6	Adding and Subtracting Rational Expressions	13.0
2	11.7	Dividing Polynomials	10.0
2	11.8	Rational Equations	13.0, 15.0, 17.0
4		Work, Rate and Mixture Problems	15.0
2		REVIEW/TESTING - Test 11.6 – 11.8 including Work, Rate, Mixture Tues. 3-10-2009	
Total Number of Days = 20			
Note: Benchmark 4 is Thurs. 2-26-2009 standards 10.0, 14.0, 19.0, 20.0			

Chapter 6: Solving and Graphing Linear Inequalities			
Time (Days)	Sections	Topics	Content Standards
1	6.1	Solving One-Step Linear Inequalities	4.0, 5.0
2	6.2	Solving Multi-Step Inequalities	4.0, 5.0
2	6.3	Solving Compound Inequalities	4.0, 5.0
2	6.4	Solving Absolute Value Equations and Inequalities	3.0
2	6.5	Graphing Linear Inequalities in Two Variables	6.0
2	7.6	Solving Systems of Linear Inequalities	9.0
2		REVIEW/TESTING - Test Ch.6, 7.6 Fri. 3-27-2009	
Total Number of Days = 13			

Family of Functions Unit			
Time (Days)	Sections	Topics	Content Standards
7		Family of Functions Unit	6.0, 21.0
2		REVIEW/TESTING - Test Family of Functions Fri. 4-17-2009	
Total Number of Days = 9			
Note: Benchmark 5 is Thurs. 4-2-2009 standards 12.0, 13.0, 19.0, 21.0, 23.0			
Note: STAR Testing will start either 4-20-2009 or 4-27-2009 (still TBD)			

Chapter 12: Radicals and Connections to Geometry			
Time (Days)	Sections	Topics	Content Standards
2	12.3	Solving Radical Equations	
2	12.5	The Pythagorean Theorem and its Converse	
2	12.6	The Distance and Midpoint Formula	
2	12.7	Trigonometric Ratios	
2		REVIEW/TESTING - Test 12.3, 12.5 - 12.7 TBD in May	
Total Number of Days = 10			
Note: Benchmark 6 is Thurs. 5-21-2009 standards TBD			

Time (Days)	Sections	Topics	Content Standards
		Additional Algebra Topics	
2		Counter Examples	
		Front-Loading for Algebra 2	
2		Completing the Square for writing quadratic functions in vertex form	
2		Review solving systems of equations	
2		Review solving quadratic equations	
2		Review Laws of Exponents	
2		Rational Polynomial Expressions and Equations	
		Front-Loading for Geometry	
2		Area of Geometric Shapes	
2		Volume of Geometric Shapes	
2		Midpoint/Distance Formulas	
2		Find the equation of a parallel/perpendicular lines	
2		Pythagorean Theorem	
2		REVIEW/TESTING - TBD	
Total Number of Days = 24			
Note: Final Exam - 2nd Semester is Wed. 6-10-2009			