Pacing Guide
Florida Algebra 1 Honors

This Pacing Guide can help you transition to a Common Core-based curriculum with Pearson's *Prentice Hall Algebra 1* Honors Gold Series, Florida Edition ©2011. The right column identifies the lessons that address Standards for Mathematical Content that are in the Course Description for Florida Algebra 1 Honors. The guide also indicates the Florida Standard(s) for Mathematical Content that each lesson addresses and proposes pacing for each chapter. Included in the guide are the additional Common Core Lessons, numbered CC-1 through CC-39, that Pearson is providing. These lessons offer in-depth coverage of certain standards. With these additional lessons and Pearson's *Prentice Hall Algebra 1* Honors Gold Series, Florida Edition ©2011, you have complete coverage of all of the Common Core State Standards for Florida Algebra 1 Honors.

The suggested number of days for each chapter is based on a traditional 45-minute class period and on a 90-minute block period. The total of 160 days of instruction leaves time for assessments, projects, assemblies, preparing for your state test, or other special days that vary from school to school.

KEY

✓ = Florida Algebra 1 Honors Content
❍ = Prerequisite Content
❑ = Content for Enrichment

		Florida Common Core State Standards	Florida Algebra 1 Honors
Chapter 1	**Foundations for Algebra**	**Traditional 10**	**Block 5**
1-1	Variables and Expressions	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a	✓
1-2	Order of Operations and Evaluating Expressions	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a	✓
1-3	Real Numbers and the Number Line	Prepares for MACC.912.N-RN.2.3	❍
1-4	Properties of Real Numbers	Prepares for MACC.912.N-RN.2.3	❍
1-5	Adding and Subtracting Real Numbers	Prepares for MACC.912.N-RN.2.3	❍
Concept Byte:	Always, Sometimes, or Never	Prepares for MACC.912.A-CED.1.3	❑
1-6	Multiplying and Dividing Real Numbers	Prepares for MACC.912.N-RN.2.3	❍
CC-1	Operations With Rational and Irrational Numbers	MACC.912.N-RN.2.3	✓
Concept Byte:	Closure	Prepares for MACC.912.A-APR.1.1	❍
1-7	The Distributive Property	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a	✓
1-8	An Introduction to Equations	MACC.912.A-CED.1.1	✓
Concept Byte:	Using Tables to Solve Equations	Prepares for MACC.912.A-REI.1.1	❍
Review:	Graphing in the Coordinate Plane	Prepares for MACC.912.A-CED.1.2	❍
1-9	Patterns, Equations, and Graphs	MACC.912.A-CED.1.2, MACC.912.A-REI.4.10, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a	✓
Chapter 2	**Solving Equations**	**Traditional 12**	**Block 6**
Concept Byte:	Modeling One-Step Equations	Prepares for MACC.912.A-REI.1.1	❍
2-1	Solving One-Step Equations	MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
2-2	Solving Two-Step Equations	MACC.912.A-CED.1.1, MACC.912.A-REI.1.1, MACC.912.A-REI.2.3	✓
2-3	Solving Multi-Step Equations	MACC.912.A-CED.1.1, MACC.912.A-REI.1.1, MACC.912.A-REI.2.3	✓

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Concept Byte:	Modeling Equations With Variables on Both Sides	Prepares for MACC.912.A-REI.1.1	❍
2-4	Solving Equations With Variables on Both Sides	MACC.912.A-CED.1.1, MACC.912.A-REI.1.1, MACC.912.A-REI.2.3	✓
2-5	Literal Equations and Formulas	MACC.912.N-Q.1.1, MACC.912.A-CED.1.1, MACC.912.A-CED.1.4, MACC.912.A-REI.1.1, MACC.912.A-REI.2.3	✓
Concept Byte:	Finding Perimeter, Area, and Volume	MACC.912.N-Q.1.1	✓
2-6	Ratios, Rates, and Conversions	MACC.912.N-Q.1.1, MACC.912.N-Q.1.2	✓
2-7	Solving Proportions	MACC.912.N-Q.1.1, MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
2-8	Proportions and Similar Figures	MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
2-9	Percents	Prepares for MACC.912.N-Q.1.3	❍
2-10	Change Expressed as a Percent	MACC.912.N-Q.1.3	✓
Chapter 3	**Solving Inequalities**	**Traditional 8**	**Block 4**
3-1	Inequalities and Their Graphs	Prepares for MACC.912.A-REI.2.3	❍
3-2	Solving Inequalities Using Addition or Subtraction	MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
3-3	Solving Inequalities Using Multiplication or Division	MACC.912.N-Q.1.2, MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
Concept Byte:	More Algebraic Properties	Prepares for MACC.912.A-REI.2.3	❑
Concept Byte:	Modeling Multi-Step Inequalities	Prepares for MACC.912.A-REI.2.3	❍
3-4	Solving Multi-Step Inequalities	MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
3-5	Working With Sets	MACC.912.A-REI.2.3	✓
3-6	Compound Inequalities	MACC.912.A-CED.1.1, MACC.912.A-REI.2.3	✓
3-7	Absolute Value Equations and Inequalities	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1b, MACC.912.A-CED.1.1	✓
3-8	Unions and Intersections of Sets	Extends MACC.912.A-CED.1.1	❑
Chapter 4	**An Introduction to Functions**	**Traditional 12**	**Block 6**
4-1	Using Graphs to Relate Two Quantities	MACC.912.F-IF.2.4	✓
4-2	Patterns and Linear Functions	MACC.912.A-REI.4.10, MACC.912.F-IF.2.4, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a, MACC.912.F-LE.1.1, MACC.912.F-LE.1.1b	✓
4-3	Patterns and Nonlinear Functions	MACC.912.A-REI.4.10, MACC.912.F-IF.2.4, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a	✓
4-4	Graphing a Function Rule	MACC.912.N-Q.1.1, MACC.912.A-REI.4.10, MACC.912.F-IF.2.5, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a	✓
Concept Byte:	Graphing Functions and Solving Equations	MACC.912.A-REI.4.11	✓
4-5	Writing a Function Rule	MACC.912.N-Q.1.2, MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-CED.1.2	✓
4-6	Formalizing Relations and Functions	MACC.912.F-IF.1.1, MACC.912.F-IF.1.2	✓
4-7	Replace Lesson 4-7 with CC-2.		
CC-2	Arithmetic Sequences	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-SSE.1.1b, MACC.912.F-IF.2.3, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a, MACC.912.F-BF.1.2, MACC.912.F-LE.1.2	✓

		Florida Common Core State Standards	Florida Algebra 1 Honors
Chapter 5	**Linear Functions**	**Traditional 12**	**Block 6**
5-1	Rate of Change and Slope	MACC.912.F-IF.2.6, MACC.912.F-LE.1.1b	✓
5-2	Direct Variation	MACC.912.N-Q.1.2, MACC.912.A-CED.1.2, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a	✓
Concept Byte:	Investigating $y = mx + b$	MACC.912.F-BF.2.3	✓
5-3	Slope-Intercept Form	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-SSE.1.2, MACC.912.A-CED.1.2, MACC.912.F-IF.2.4, MACC.912.F-IF.3.7. MACC.912.F-IF.3.7a, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a, MACC.912.F-LE.1.2, MACC.912.F-LE.2.5	✓
5-4	Point-Slope Form	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-SSE.1.2, MACC.912.A-CED.1.2, MACC.912.A-CED.1.4, MACC.912.F-IF.2.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7a, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a, MACC.912.F-LE.1.2, MACC.912.F-LE.2.5	✓
5-5	Standard Form	MACC.912.N-Q.1.2, MACC.912.A-SSE.1.2, MACC.912.A-CED.1.2, MACC.912.F-IF.2.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7a, MACC.912.F-BF.1.1,MACC.912.F-BF.1.1a, MACC.912.F-LE.1.2, MACC.912.F-LE.2.5	✓
5-6	Parallel and Perpendicular Lines	MACC.912.G-GPE.2.5	❑
5-7	Scatter Plots and Trend Lines	MACC.912.N-Q.1.1, MACC.912.F-LE.2.5, MACC.912.S-ID.2.6, MACC.912.S-ID.2.6a, MACC.912.S-ID.2.6c, MACC.912.S-1D.3.7, MACC.912.S-1D.3.8, MACC.912.S-1D.3.9	✓
Concept Byte:	Collecting Linear Data	Prepares for MACC.912.S-ID.2.6b	❑
CC-3	Using Residuals	MACC.912.S-ID.2.6, MACC.912.S-ID.2.6b	✓
5-8	Replace Lesson 5-8 with CC-4.		
CC-4	Graphing Absolute Value Functions	MACC.912.F-IF.2.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7b, MACC.912.F-BF.2.3	✓
CC-5	A Family of Linear Functions	MACC.912.F-IF.3.9, MACC.912.F-BF.2.3	✓
Concept Byte:	Characteristics of Absolute Value Graphs	MACC.912.F-IF.3.7, MACC.912.F-IF.3.7b	✓
Chapter 6	**Systems of Equations and Inequalities**	**Traditional 10**	**Block 5**
6-1	Solving Systems by Graphing	MACC.912.A-REI.3.6	✓
Concept Byte:	Solving Systems Using Tables and Graphs	Prepares for MACC.912.A-REI.3.6	❍
Concept Byte:	Solving Systems Using Algebra Tiles	Prepares for MACC.912.A-REI.3.6	❍
6-2	Solving Systems Using Substitution	MACC.912.A-REI.3.6	✓
6-3	Solving Systems Using Elimination	MACC.912.A-REI.3.5, MACC.912.A-REI.3.6	✓
Concept Byte:	Matrices and Solving Systems	Extends MACC.912.A-REI.3.6	❑
CC-4	Applications of Linear Systems	MACC.912.N-Q.1.2, MACC.912.N-Q.1.3, MACC.912.A-CED.1.3, MACC.912.A-REI.3.6	✓
6-5	Linear Inequalities	MACC.912.A-CED.1.3, MACC.912.A-REI.4.12	✓
6-6	Systems of Linear Inequalities	MACC.912.A-CED.1.3, MACC.912.A-REI.4.12	✓
Concept Byte:	Graphing Linear Inequalities	MACC.912.A-REI.4.12	✓

		Florida Common Core State Standards	Florida Algebra 1 Honors
Chapter 7	**Exponents and Exponential Functions**	**Traditional 18**	**Block 9**
7-1	Zero and Negative Exponents	Prepares for MACC.912.N-RN.1.1 and MACC.912.N-RN.1.2	❍
7-2	Scientific Notation	Reviews MACC.8.EE.1.3	❍
7-3	Multiplying Powers With the Same Base	Prepares for MACC.912.N-RN.1.1	❍
Concept Byte:	Powers of Powers and Powers of Products	Prepares for MACC.912.N-RN.1.1	❍
7-4	More Multiplication Properties of Exponents	Prepares for MACC.912.N-RN.1.1	❍
CC-6	Using Rational Exponents	MACC.912.N-RN.1.1	✓
7-5	Division Properties of Exponents	Prepares for MACC.912.N-RN.1.1	❍
CC-7	Rational Exponents and Radicals	MACC.912.N-RN.1.2	✓
7-6	Replace Lesson 7-6 with CC-8.		
CC-8	Exponential Functions	MACC.912.A-CED.1.2, MACC.912.A-REI.4.11, MACC.912.F-IF.2.4, MACC.912.F-IF.2.5, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7e, MACC.912.F-IF.3.9, MACC.912.F-LE.1.1c, MACC.912.F-LE.1.2, MACC.912.F-LE.2.5	✓
CC-9	A Family of Exponential Functions	MACC.912.F-IF.3.9, MACC.912.F-BF.2.3	✓
Concept Byte:	Replace CB 7-6 with CC-11.		
7-7	Replace Lesson 7-7 with CC-10.		
CC-10	Exponential Growth and Decay	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1b, MACC.912.A-SSE.2.3, MACC.912.A-SSE.2.3c, MACC.912.A-CED.1.2, MACC.912.F-IF.2.4, MACC.912.F-IF.3.8, MACC.912.F-IF.3.8b, MACC.912.F-LE.1.1c, MACC.912.F-LE.2.5	✓
CC-11	Geometric Sequences	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.F-IF.2.3, MACC.912.F-BF.1.1, MACC.912.F-BF.1.1a, MACC.912.F-BF.1.2, MACC.912.F-LE.1.2	✓
CC-12	Arithmetic Series	Prepares for MACC.912.A-SSE.2.4, Extends MACC.912.F-IF.1.3	✓
CC-13	Geometry and Infinite Series	MACC.912.A-SSE.2.4	✓
CC-14	Geometric Series	MACC.912.A-SSE.2.4	✓
Chapter 8	**Polynomials and Factoring**	**Traditional 16**	**Block 8**
8-1	Adding and Subtracting Polynomials	MACC.912.A-APR.1.1	✓
8-2	Multiplying and Factoring	MACC.912.A-APR.1.1	✓
CC-15	Closure and Polynomials	MACC.912.A-APR.1.1	✓
Concept Byte:	Using Models to Multiply	Prepares for MACC.912.A-APR.1.1	❍
8-3	Multiplying Binomials	MACC.912.A-APR.1.1	✓
8-4	Multiplying Special Cases	MACC.912.A-APR.1.1, MACC.912.A-APR.3.4	✓
Concept Byte:	Using Models to Factor	Prepares for MACC.912.A-SSE.1.2	❍
8-5	Factoring $x^2 + bx + c$	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a	✓
8-6	Factoring $ax^2 + bx + c$	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-SSE.1.1b	✓
8-7	Factoring Special Cases	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-SSE.1.2	✓
8-8	Factoring by Grouping	MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-SSE.1.1b, MACC.912.A-SSE.1.2	✓

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Chapter 9	**Quadratic Functions and Equations**	**Traditional 18**	**Block 9**
9-1	Quadratic Graphs and Their Properties	MACC.912.A-CED.1.2, MACC.912.F-IF.2.4, MACC.912.F-IF.2.5, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7a, MACC.912.F-BF.2.3	✓
CC-16	A Family of Quadratic Functions	MACC.912.F-IF.3.9, MACC.912.F-BF.2.3	✓
9-2	Quadratic Functions	MACC.912.A-CED.1.2, MACC.912.F-IF.2.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7a	✓
CC-17	Rates of Increase	MACC.912.F-IF.2.6, MACC.912.F-LE.1.3	✓
Concept Byte:	Collecting Quadratic Data	MACC.912.A-CED.1.2	✓
9-3	Solving Quadratic Equations	MACC.912.A-APR.2.3, MACC.912.A-CED.1.1, MACC.912.A-REI.2.4, MACC.912.A-REI.2.4b	✓
Concept Byte:	Finding Roots	MACC.912.A-REI.2.4, MACC.912.F-IF.3.7a	✓
9-4	Factoring to Solve Quadratic Equations	MACC.912.A-CED.1.1, MACC.912.A-REI.1.1, MACC.912.A-REI.2.4, MACC.912.A-REI.2.4b	✓
9-5	Completing the Square	MACC.912.N-Q.1.3, MACC.912.A-SSE.1.1, MACC.912.A-SSE.1.1a, MACC.912.A-REI.2.4, MACC.912.A-SSE.1.1b, MACC.912.A-CED.1.1, MACC.912.A-REI.1.1, MACC.912.A-REI.2.4, MACC.912.A-REI.2.4a, MACC.912.A-REI.2.4b	✓
CC-18	Quadratic Expressions and Functions	MACC.912.A-SSE.2.3, MACC.912.A-SSE.2.3a, MACC.912.A-SSE.2.3b, MACC.912.A-APR.2.3, MACC.912.A-APR.3.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7a, MACC.912.F-IF.3.7c, MACC.912.F-IF.3.8, MACC.912.F-IF.3.8a	✓
9-6	The Quadratic Formula and the Discriminant	MACC.912.N-Q.1.3, MACC.912.A-CED.1.1, MACC.912.A-REI.2.4, MACC.912.A-REI.2.4a, MACC.912.A-REI.2.4b	✓
9-7	Linear, Quadratic, and Exponential Models	MACC.912.F-IF.2.4, MACC.912.F-LE.1.1, MACC.912.F-LE.1.1a, MACC.912.F-LE.1.1b, MACC.912.F-LE.1.1c, MACC.912.F-LE.1.2, MACC.912.F-LE.1.3, MACC.912.S-ID.2.6, MACC.912.S-ID.2.6a	✓
Concept Byte:	Performing Regressions	MACC.912.S-ID.2.6, MACC.912.S-ID.2.6a	✓
CC-19	Analyzing Residual Plots	MACC.912.S-ID.2.6, MACC.912.S-ID.2.6b	✓
CC-20	Systems of Linear and Quadratic Equations	MACC.912.A-REI.3.7, MACC.912.A-REI.4.11	✓

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Chapter 10	**Radical Expressions and Equations**	**Traditional 8**	**Block 4**
10-1	The Pythagorean Theorem	MACC.912.G-SRT.3.8	❍
Concept Byte:	Distance and Midpoint Formulas	Reviews MACC.8.G.2.8	❍
10-2	Simplifying Radicals	Prepares for MACC.912.A-REI.1.2	❍
10-3	Operations with Radical Expressions	Prepares for MACC.912.A-REI.1.2	❍
10-4	Solving Radical Equations	MACC.912.A-REI.1.2	✓
10-5	Graphing Square Root Functions	MACC.912.A-CED.1.2, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7b, MACC.912.F-BF.2.4, MACC.912.F-BF.2.4d	✓
CC-21	Graphing Square Root and Cube Root Functions	MACC.912.F-IF.2.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7b, MACC.912.F-BF.2.3, MACC.912.F-BF.2.4, MACC.912.F-BF.2.4a, MACC.912.F-BF.2.4d	✓
Concept Byte:	Right Triangle Ratios	MACC.912.G-SRT.3.6	❑
10-6	Trigonometric Ratios	MACC.912.G-SRT.3.6, MACC.912.G-SRT.3.8	❑
Chapter 11	**Rational Expressions and Functions**	**Traditional 14**	**Block 7**
11-1	Simplifying Rational Expressions	MACC.912.A-APR.4.6	✓
11-2	Multiplying and Dividing Rational Expressions	MACC.912.A-APR.4.7	❍
Concept Byte:	Dividing Polynomials Using Algebra Tiles	Prepares for MACC.912.A-APR.4.6	❍
11-3	Dividing Polynomials	MACC.912.A-APR.4.6	✓
11-4	Adding and Subtracting Rational Expressions	MACC.912.A-APR.4.7	❑
11-5	Solving Rational Equations	MACC.912.A-CED.1.1, MACC.912.A-REI.1.2	✓
11-6	Inverse Variation	MACC.912.A-CED.1.2, MACC.912.F-IF.2.5	✓
11-7	Graphing Rational Functions	MACC.912.A-CED.1.2, MACC.912.F-IF.2.4, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7d	✓
Concept Byte:	Graphing Rational Functions	MACC.912.A-CED.1.2, MACC.912-IF.3.7, MACC.912-IF.3.7d	✓
Additional Functions Lessons		**Traditional 14**	**Block 7**
CC-22	Function Operations	MACC.912.F-BF.1.1, MACC.912.F-BF.1.1b, MACC.912.F-BF.1.1c	✓
CC-23	Inverse of a Linear Function	MACC.912.F-BF.2.4, MACC.912.F-BF.2.4a	✓
CC-24	Inverse Relations and Functions	MACC.912.F-BF.2.4, MACC.912.F-BF.2.4a, MACC.912.F-BF.2.4b, MACC.912.F-BF.2.4c	✓
CC-25	Complex Numbers	MACC.912.N-CN.1.1, MACC.912.N-CN.1.2, MACC.912.N-CN.3.7, MACC.912.N-CN.3.8, MACC.912.A-REI.2.4a	✓
CC-26	Polynomial Functions	MACC.912.F-IF.3.7, MACC.912.F-IF.3.7c	✓
CC-27	Polynomials, Linear Factors, and Zeros	MACC.912.A-APR.2.3, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7c	✓
CC-28	Solving Polynomial Equations	MACC.912.A-SSE.1.2, MACC.912.A-APR.3.4, MACC.912.A-REI.1.1, MACC.912.A-REI.4.11	✓

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CC-29	Graphing Polynomials Using Zeros	MACC.912.A-APR.2.3, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7c	✓
CC-30	Using Polynomial Identities	MACC.912.A-APR.3.4	✓
CC-31	Dividing Polynomials	MACC.912.A-APR.2.2	✓
CC-32	Rational Functions and Their Graphs	MACC.912.A-APR.2.3, MACC.912.F-IF.3.7, MACC.912.F-IF.3.7d	✓
Statistics Lessons		**Traditional 8**	**Block 4**
CC-33	Frequency and Histograms	MACC.912.N-Q.1.1, MACC.912.S-ID.1.1	✓
CC-34	Measures of Central Tendency and Dispersion	MACC.912.N-Q.1.2, MACC.912.S-ID.1.2, MACC.912.S-ID.1.3	✓
CC-35	Standard Deviation	MACC.912.S-ID.1.2	✓
CC-36	Box-and-Whisker Plots	MACC.912.N-Q.1.1, MACC.912.S-ID.1.1, MACC.912.S-ID.1.2	✓
CC-37	Analyzing the Shape of the Data	MACC.912.S-ID.1.2	✓
CC-38	Normal Distributions	MACC.912.S-ID.1.4	✓
CC-39	Two-Way Frequency Tables	MACC.912.S-ID.2.5	✓