

Daily Pacing Guide

Integrating ISTEP+/GQE Test Preparation

with

Glencoe Algebra: Applications and Connections

Overview

The Daily Pacing Guide helps you easily integrate ISTEP+/GQE test preparation into your daily lesson plans by providing assignments for each day leading up to the GQE, which is given in the fall of the following year. Armed with the Indiana Student Edition and the ISTEP+/GQE Test Practice and Sample Test Workbook, you have many opportunities to prepare your students for the GQE every day.

The Daily Pacing Guide shows you how to incorporate continuous daily practice into your lessons to help ensure your students' success in the GQE. Here are some features of the Daily Pacing Guide.

For the Student Edition

- Tells you which lessons to include in your daily lesson plans so that your students will have covered all of the Indiana Algebra 1 Academic Standards.
- Provides for two pages of Standardized Test Practice at the end of each chapter.
- Includes several Catch-Up Days throughout the school year to help keep you and your students on track.

For the GQE Test Practice and Sample Test Workbook

- Contains a Diagnostic Test covering the GQE Academic Standards and Recording Sheets for you and your students to record mastery of the standards.
- Provides extensive practice for each standard, which may be assigned weekly for all students or may be assigned individually to those students who have not yet mastered a particular benchmark.
- Contains a Sample Test which students can complete just prior to the GQE for additional practice.

Month	Week	Day	Student Edition Lesson	Indiana Algebra 1 Academic Standards	ISTEP+/GQE Test Practice and Sample Test Workbook*	Pages
September	1	Monday	1-1 Writing Expressions and Equations	A1.1.1	Diagnostic Test	1-14
		Tuesday	1-2 Order of Operations	A1.1.4, A1.9.3, A1.9.4		
		Wednesday	1-3 Commutative and Associative Properties	A1.1.3, A1.9.3, A1.9.4, A1.9.8		
		Thursday	1-4 Distributive Property	A1.1.3, A1.9.3, A1.9.4		
		Friday	1-5 A Plan for Problem Solving	A1.2.2, A1.9.1, A1.9.2		
October	1	Monday	Investigation: Dot-to-Dot	A1.9.1, A1.9.6, A1.9.7	Standard 10.4	15-16
		Tuesday	1-6 Collecting Data	A1.9.1		
		Wednesday	1-7 Displaying and Interpreting Data	A1.1.3		
		Thursday	Study Guide and Assessment			
		Friday	Chapter Test			
October	2	Monday	Preparing for Standardized Tests/Catch-Up Day		Standard 10.4	17-18

* Two or three pages of practice are assigned each week; however, you may choose to have students skip some assignments and work only on those standards which they have not yet mastered.

Month	Week	Day	Student Edition Lesson	Indiana Algebra 1 Academic Standards	ISTEP+/GQE Test Practice and Sample Test Workbook*	Pages
		Tuesday	2-1 Graphing Integers on a Number Line			
		Wednesday	2-2 The Coordinate Plane			
		Thursday	2-3 Adding Integers	A1.9.2		
		Friday	2-4 Subtracting Integers			
October	3	Monday	2-5 Multiplying Integers		Standard 10.4	19-20
		Tuesday	Investigation: Bits, Bytes, and Bugs!	A1.9.1		
		Wednesday	2-6 Dividing Integers			
		Thursday	Study Guide and Assessment			
		Friday	Chapter Test			
October	4	Monday	Preparing for Standardized Tests/Catch-Up Day		Standard 10.4	21-22
		Tuesday	3-1 Rational Numbers			
		Wednesday	3-2 Adding and Subtracting Rational Numbers			
		Thursday	3-3 Mean, Median, Mode, and Range			

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		Friday	Investigation: Sugar and Pizza and Everything Nice!	A1.9.1		
November	1	Monday	3-4 Equations		Standard 10.4	23-24
		Tuesday	3-5 Solving Equations by Using Models	A1.2.1, A1.9.1		
		Wednesday	3-6 Solving Addition and Subtraction Equations	A1.2.1, A1.6.8, A1.9.1, A1.9.3, A1.9.4		
		Thursday	3-7 Solving Equations Involving Absolute Value	A1.2.1, A1.6.8, A1.9.3, A1.9.4		
		Friday	Study Guide and Assessment			
November	2	Monday	Chapter Test		Standard 10.4	25-26
		Tuesday	Preparing for Standardized Tests/Catch-Up Day			
		Wednesday	4-1 Multiplying Rational Numbers			
		Thursday	4-2 Counting Outcomes			
		Friday	Investigation: Retail Rabbits	A1.9.1		
November	3	Monday	4-3 Dividing Rational Numbers		Standard 10.5	27-28

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		Tuesday	4-4 Solving Multiplication and Division Equations	A1.2.1, A1.6.8, A1.9.2, A1.9.3, A1.9.4		
		Wednesday	4-5 Solving Multi-Step Equations	A1.2.1, A1.6.8, A1.9.1, A1.9.2, A1.9.3, A1.9.4		
		Thursday	4-6 Variables on Both Sides	A1.2.1, A1.9.5		
		Friday	4-7 Grouping Symbols	A1.2.1		
November	4	Monday	Study Guide and Assessment		Standard 10.5	29-30
		Tuesday	Chapter Test			
		Wednesday	Catch-Up Day			
		Thursday	Thanksgiving			
		Friday	Thanksgiving			
December	1	Monday	Preparing for Standardized Tests		Standard 10.5	31-32
		Tuesday	5-1 Solving Proportions	A1.1.5, A1.2.2, A1.7.2, A1.9.2, A1.9.3, A1.9.4		
		Wednesday	5-2 Scale Drawings and Models	A1.2.2, A1.7.2		
		Thursday	5-3 The Percent Proportion	A1.2.2, A1.7.2		

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		Friday	5-4 The Percent Equation	A1.7.2, A1.9.2, A1.9.3, A1.9.4		
December	2	Monday	Investigation: Building Bridges	A1.7.2, A1.9.1	Standard 10.5	33-34
		Tuesday	5-5 Percent of Change	A1.7.2		
		Wednesday	5-6 Probability and Odds			
		Thursday	5-7 Compound Events			
		Friday	Study Guide and Assessment			
December	3	Monday	Chapter Test		Standard 10.5	35-37
		Tuesday	Preparing for Standardized Tests			
		Wednesday	Catch-Up Day			
		Thursday	Catch-Up Day			
		Friday	Catch-Up Day			
January	1	Monday	6-1 Relations	A1.3.4	Standard 10.6	38-39
		Tuesday	6-2 Equations as Relations	A1.3.3, A1.3.4, A1.9.1		
		Wednesday	6-3 Graphing Linear Relations	A1.3.1, A1.3.2, A1.3.3, A1.3.4, A1.9.1, A1.9.2, A1.9.3, A1.9.4		

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		Thursday	6-4 Functions	A1.3.1, A1.3.2, A1.3.3, A1.3.4		
		Friday	Investigation: How Many Centimeters in a Foot?	A1.3.2, A1.9.1		
January	2	Monday	6-5 Direct Variation	A1.2.2, A1.2.6, A1.3.1, A1.3.2, A1.3.3	Standard 10.6	40-41
		Tuesday	6-6 Inverse Variation	A1.2.2, A1.2.6		
		Wednesday	Study Guide and Assessment			
		Thursday	Chapter Test			
		Friday	Preparing for Standardized Tests/Catch-Up Day			
January	3	Monday	7-1 Slope	A1.9.1	Standard 10.6	42-43
		Tuesday	7-2 Writing Equations in Point-Slope Form	A1.4.2, A1.4.4, A1.9.1		
		Wednesday	7-3 Writing Equations in Slope-Intercept Form	A1.4.2, A1.4.3, A1.4.4, A1.6.8		
		Thursday	7-4 Scatter Plots	A1.4.5		
		Friday	Investigation: Humidity Heats Things Up	A1.9.1		

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January	4	Monday	7-5 Graphing Linear Equations	A1.2.1, A1.2.6, A1.3.1, A1.3.2, A1.4.1, A1.4.2	Standard 10.6	44-45
		Tuesday	7-6 Families of Linear Graphs	A1.2.1, A1.2.6, A1.3.1, A1.3.2, A1.4.1, A1.4.2, A1.6.8		
		Wednesday	7-7 Parallel and Perpendicular Lines	A1.2.1, A1.2.6, A1.4.4, A1.6.8		
		Thursday	Study Guide and Assessment			
		Friday	Chapter Test			
February	1	Monday	Preparing for Standardized Tests/Catch-Up Day		Standard 10.6	46-47
		Tuesday	Catch-Up Day			
		Wednesday	8-1 Powers and Exponents	A1.1.4		
		Thursday	8-2 Multiplying and Dividing Powers	A1.1.4		
		Friday	8-3 Negative Exponents	A1.1.4		
February	2	Monday	8-4 Scientific Notation		Standard 10.6	48-49
		Tuesday	8-5 Square Roots	A1.1.2		

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		Wednesday	8-6 Estimating Square Roots	A1.1.2		
		Thursday	8-7 The Pythagorean Theorem	A1.2.2, A1.9.2, A1.9.3, A1.9.4		
		Friday	Investigation: Must Be TV	A1.9.1		
February	3	Monday	Study Guide and Assessment		Standard 10.7	50-51
		Tuesday	Chapter Test			
		Wednesday	Preparing for Standardized Tests/Catch-Up Day			
		Thursday	9-1 Polynomials	A1.9.2, A1.9.3, A1.9.4		
		Friday	9-2 Adding and Subtracting Polynomials	A1.6.1, A1.9.2, A1.9.3, A1.9.4		
February	4	Monday	9-3 Multiplying a Polynomial by a Monomial	A1.6.2, A1.6.4	Standard 10.7	52-53
		Tuesday	9-4 Multiplying Binomials	A1.6.4		
		Wednesday	9-5 Special Products	A1.6.4		
		Thursday	Investigation: It's Greek to Me!			

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		Friday	Study Guide and Assessment			
March	1	Monday	Chapter Test		Standard 10.7	54-55
		Tuesday	Preparing for Standardized Tests/Catch-Up Day			
		Wednesday	10-1 Factors	A1.6.6, A1.6.8		
		Thursday	Investigation: A Puzzling Perimeter Problem	A1.9.1		
		Friday	10-2 Factoring Using the Distributive Property	A1.6.6, A1.6.8		
March	2	Monday	10-3 Factoring Trinomials: $x^2 + bx + c$	A1.6.7, A1.6.8	Standard 10.7	56-57
		Tuesday	10-4 Factoring Trinomials: $ax^2 + bx + c$	A1.6.7, A1.6.8		
		Wednesday	10-5 Special Factors	A1.6.7, A1.6.8		
		Thursday	Study Guide and Assessment			
		Friday	Chapter Test			
March	3	Monday	Preparing for Standardized Tests		Standard 10.7	58-60
		Tuesday	Catch-Up Day			

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Month	Week	Day	Student Edition Lesson	Indiana Algebra 1 Academic Standards	ISTEP+/GQE Test Practice and Sample Test Workbook*	Pages
		Wednesday	11-1 Graphing Quadratic Functions	A1.3.1, A1.3.2, A1.6.8, A1.8.1		
		Thursday	11-2 Families of Quadratic Functions	A1.3.1, A1.3.2, A1.6.8, A1.8.1, A1.8.9		
		Friday	11-3 Solving Quadratic Equations by Graphing	A1.3.1, A1.3.2, A1.6.8, A1.8.1, A1.8.7, A1.8.9, A1.9.1, A1.9.2, A1.9.3, A1.9.4		
March	4	Monday	11-4 Solving Quadratic Equations by Factoring	A1.6.8, A1.8.2, A1.8.7, A1.8.9, A1.9.2, A1.9.3, A1.9.4	Standard 10.8	61-62
		Tuesday	11-5 Solving Quadratic Equations by Completing the Square	A1.6.8, A1.8.3, A1.8.4, A1.8.7, A1.9.2, A1.9.3, A1.9.4		
		Wednesday	11-6 The Quadratic Formula	A1.6.8, A1.8.5, A1.8.6, A1.8.7, A1.8.9		
		Thursday	11-7 Exponential Functions	A1.6.8, A1.8.1, A1.8.9, A1.9.1		
		Friday	Investigation: Sticky Note Sequences	A1.9.1		
April	1	Monday	Study Guide and Assessment		Standard 10.8	63-64
		Tuesday	Chapter Test			

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		Wednesday	Preparing for Standardized Tests/Catch-Up Day			
		Thursday	12-1 Inequalities and Their Graphs	A1.2.3, A1.2.4, A1.2.6		
		Friday	12-2 Solving Addition and Subtraction Inequalities	A1.2.4, A1.2.6		
April	2	Monday	12-3 Solving Multiplication and Division Inequalities	A1.2.4, A1.2.6	Standard 10.8	65-66
		Tuesday	12-4 Solving Multi-Step Inequalities	A1.2.4, A1.2.6		
		Wednesday	12-5 Solving Compound Inequalities	A1.2.5, A1.2.6		
		Thursday	12-6 Solving Inequalities Involving Absolute Value	A1.2.4, A1.2.6		
		Friday	12-7 Graphing Inequalities in Two Variables	A1.2.4, A1.2.6, A1.4.6		
April	3	Monday	Investigation: Parabolas and Pavilions	A1.9.1	Standard 10.8	67-68
		Tuesday	Study Guide and Assessment			
		Wednesday	Chapter Test			

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		Thursday	Preparing for Standardized Tests/Catch-Up Day			
		Friday	13-1 Graphing Systems of Equations	A1.2.6, A1.5.1, A1.5.6		
April	4	Monday	13-2 Solutions of Systems of Equations	A1.2.6, A1.5.1, A1.5.6	Standard 10.9	69-71
		Tuesday	13-3 Substitution	A1.2.6, A1.5.3, A1.5.6, A1.9.2, A1.9.3, A1.9.4		
		Wednesday	13-4 Elimination Using Addition and Subtraction	A1.2.6, A1.5.4, A1.5.5, A1.5.6		
		Thursday	13-5 Elimination Using Multiplication	A1.2.6, A1.5.4, A1.5.5, A1.5.6		
		Friday	Investigation: Crazy Computers	A1.2.6, A1.5.6, A1.9.1		
May	1	Monday	13-6 Solving Quadratic-Linear Systems of Equations	A1.2.6, A1.5.6	Standard 10.9	72-74
		Tuesday	13-7 Graphing Systems of Inequalities	A1.2.6, A1.5.2, A1.5.6, A1.9.1		
		Wednesday	Study Guide and Assessment			
		Thursday	Chapter Test			

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		Friday	Preparing for Standardized Tests/Catch-Up Day			
May	2	Monday	14-1 The Real Numbers		Standard 10.9	75-77
		Tuesday	14-2 The Distance Formula	A1.9.1		
		Wednesday	Investigation: A Cut-Out Caper	A1.9.1		
		Thursday	14-3 Simplifying Radical Expressions	A1.6.3		
		Friday	14-4 Adding and Subtracting Radical Expressions			
May	3	Monday	14-5 Solving Radical Equations	A1.2.6, A1.6.8, A1.8.1, A1.8.8, A1.9.2, A1.9.3, A1.9.4	Standard 10.9	78-80
		Tuesday	Study Guide and Assessment			
		Wednesday	Chapter Test			
		Thursday	Preparing for Standardized Tests/Catch-Up Day			
		Friday	15-1 Simplifying Rational Expressions	A1.6.5, A1.7.1		

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May	4	Monday	15-2 Multiplying and Dividing Rational Expressions	A1.6.2, A1.6.5, A1.7.1	Standard 10.9	81-83
		Tuesday	15-3 Dividing Polynomials	A1.6.5, A1.7.1		
		Wednesday	15-4 Combining Rational Expressions with Like Denominators			
		Thursday	15-5 Combining Rational Expressions with Unlike Denominators			
		Friday	15-6 Solving Rational Equations	A1.6.8, A1.9.2, A1.9.3, A1.9.4		
June	1	Monday	Investigation: Down the Drain	A1.9.1		
		Tuesday	Study Guide and Assessment			
		Wednesday	Chapter Test			
		Thursday	Preparing for Standardized Tests		Sample Test 1	84-96
		Friday	Catch-Up Day/Review		Sample Test 2	97-110

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