

Math, Modeling, and Application
Original (8/20) & Proposed (5/21) Pacing Guide (5/2021)
Adjustments in yellow

Original Guide					
<i>Unit 1</i>	<ul style="list-style-type: none"> ● <i>Introduction</i> ● <i>Rounding Whole Numbers</i> ● <i>Writing Equivalent Fractions</i> ● <i>Fractions</i> <ul style="list-style-type: none"> ○ <i>Addition</i> ○ <i>Subtraction</i> ○ <i>Multiplication</i> ○ <i>Division</i> 	<i>NJSLS-6.NS.A</i> <i>NJSLS-7.EE.3</i> <i>NJSLS-7.NS.3</i> <i>NJSLS-7.RP.1</i> <i>NJSLS-7.NS.A.2d</i>	<i>Days 1-10</i>	<i>Unit 1</i>	<ul style="list-style-type: none"> ● <i>Operations with Integers</i> <ul style="list-style-type: none"> ○ <i>Add, subtract, multiply, and divide</i> ● <i>Absolute Value</i> ● <i>Multiply and divide 2-digit and multi-digit numbers</i> ● <i>Order of Operations</i> ● <i>Prime Factorization</i> <ul style="list-style-type: none"> ○ <i>LCM</i> ○ <i>GCF</i>
<i>Unit 2</i>	<ul style="list-style-type: none"> ● <i>Decimals</i> <ul style="list-style-type: none"> ○ <i>Addition</i> ○ <i>Subtraction</i> ○ <i>Multiplication</i> ○ <i>Division</i> ● <i>Rounding Decimals</i> ● <i>Comparing and Converting Fractions and Decimals</i> 	<i>NJSLS-7.NS.3</i> <i>NJSLS-7.NS.A.2</i> <i>NJSLS-8.NS.A.1</i> <i>NJSLS-8.EE.A.4</i>	<i>Days 11 - 20</i>	<i>Unit 2</i>	<ul style="list-style-type: none"> ● <i>Decimal Operations</i> <ul style="list-style-type: none"> ○ <i>Addition</i> ○ <i>Subtraction</i> ○ <i>Multiplication</i> ○ <i>Division</i> ● <i>Rounding Whole Numbers</i> ● <i>Rounding Decimals</i> ● <i>Irrational Numbers</i>
<i>Unit 3</i>	<ul style="list-style-type: none"> ● <i>Real Numbers and Ordering</i> <ul style="list-style-type: none"> ○ <i>Adding</i> ○ <i>Subtracting</i> ○ <i>Multiplying</i> ○ <i>Dividing</i> ● <i>Order of Operations</i> ● <i>Least Common Multiple</i> ● <i>Greatest Common Factor</i> 	<i>NJSLS-8.NS.A.1, NJSLS-8.NS.A.2</i> <i>NJSLS-N.Q.1</i> <i>NJSLS-N.Q.2</i> <i>NJSLS-N.RN.3</i> <i>NJSLS-A.REI.1</i>	<i>Days 21 - 33</i>	<i>Unit 3</i>	<ul style="list-style-type: none"> ● <i>Writing Equivalent Fractions</i> ● <i>Fraction Operations</i> <ul style="list-style-type: none"> ○ <i>Addition</i> ○ <i>Subtraction</i> ○ <i>Multiplication</i> ○ <i>Division</i> ● <i>Comparing and Converting Fractions and Decimals</i> ● <i>Comparing Real Numbers</i>
<i>Unit 4</i>	<ul style="list-style-type: none"> ● <i>Exponents</i> ● <i>Positive & Negative Integers</i> ● <i>Properties of Signed Numbers</i> 	<i>NJSLS-7.NS.A.1, NJSLS-7.NS.A.2,</i> <i>NJSLS-7.NJ.A.3, NJSLS-A.SSE.A.1,</i> <i>NJSLS-A.SSE.A.2, NJSLS-A.SSE.B.3</i>	<i>Days 34 - 45</i>	<i>Unit 4</i>	<ul style="list-style-type: none"> ● <i>Ratio</i> ● <i>Rate</i> ● <i>Proportion</i>

	<ul style="list-style-type: none"> ● Signed Numbers <ul style="list-style-type: none"> ○ Add ○ Subtract ○ Multiply ○ Divide ● Evaluate Expressions ● Operations with Terms 	<p>NJSLS-N.Q.1 NJSLS-A.CED.1 NJSLS-A.REI.3</p>			<ul style="list-style-type: none"> ● Percent Equations ● Percent Applications
Unit 5	<ul style="list-style-type: none"> ● Linear Equations ● Literal Equations ● Linear Inequalities ● Applications 	<p>NJSLS-A.CED.A.1, NJSLS-A.CED.A.3, NJSLS-A.CED.A.4, NJSLS-A.REI.A.1, NJSLS-A.REI.B.3, NJSLS-A.REI.D.11 NJSLS-N.Q.1</p>	Days 46 - 56	Unit 5	<ul style="list-style-type: none"> ● Writing Expressions ● Evaluating Expressions ● Simplifying Algebraic Expressions ● Exponents <ul style="list-style-type: none"> ○ Exponent properties ○ Simplifying expressions with exponents ○ Evaluating expressions with exponents
Unit 6	<ul style="list-style-type: none"> ● Graphing Linear Equations <ul style="list-style-type: none"> ○ Slope-Intercept ○ Point-Slope ○ Standard ● Applications 	<p>NJSLS-A.REI.B.3, NJSLS-A.REI.D.10</p>	Days 57 - 68	Unit 6	<ul style="list-style-type: none"> ● Writing Linear Equations/Inequalities ● Solving Linear Equations/Inequalities <ul style="list-style-type: none"> ○ One-Step Equations ○ Two-Step Equations ○ Multi-Step/Variables on both sides ○ Solving Proportions
Unit 7	<ul style="list-style-type: none"> ● Introduction to Polynomials ● Adding and Subtracting Polynomials ● Multiplying Polynomials ● Applications 	<p>NJSLS-A.CED.A.1, NJSLS-A.CED.A.3, NJSLS-A.CED.A.4, NJSLS-A.REI.A.1, NJSLS-A.REI.B.3, NJSLS-A.REI.D.11</p>	Days 69 - 80	Unit 7	<ul style="list-style-type: none"> ● Finding Slope <ul style="list-style-type: none"> ○ Graph ○ Table ○ Points ● Writing/Graphing Linear Equations <ul style="list-style-type: none"> ○ Slope-Intercept ○ Point-Slope ○ Standard ● Applications
Unit 8	<ul style="list-style-type: none"> ● Introduction to Factoring ● Factoring out a GCF ● Trinomial Factoring ● Solve Equations by Factoring ● Applications 	<p>NJSLS-A.SSE.B.3, NJSLS-A.CED.A.1, NJSLS-A.REI.B.4.b</p>	Days 81 - 90	Unit 9	<ul style="list-style-type: none"> ● Adding and Subtracting Polynomials ● Multiplying Polynomials ● Factoring Polynomials <ul style="list-style-type: none"> ○ GCF ○ Factoring when a=1

Unit 9	<ul style="list-style-type: none"> • Ratio • Rate • Proportion • Percent Equations • Percent Applications 	<p>NJSLS-A.CED.1 NJSLS-A.REI.3</p>	<p>Days 91 -115</p>	Unit 10	<ul style="list-style-type: none"> • Introduction to Quadratics • Graphing Quadratic Equations • Finding Zeros by Factoring • Graphing Quadratics in Vertex
Unit 10	<ul style="list-style-type: none"> • Mean, Median, Mode • Samples and Surveys • Circle Graphs, Bar Graphs, Line Graphs • Histograms • Frequency Distribution • Box and Whisker Plots 	<p>NJSLS-S.IC.1 NJSLS-S.IC.3 NJSLS-S.MD.6 NJSLS-S.ID.1 NJSLS-S.ID.2 NJSLS-S.ID.3 NJSLS-S.ID.5</p>	<p>Days 116 - 135</p>	Unit 11	<ul style="list-style-type: none"> • Mean, Median, Mode • Samples and Surveys • Circle Graphs, Bar Graphs, Line • Histograms • Box and Whisker Plots
Unit 11	<ul style="list-style-type: none"> • Identify Points, Lines, and Planes • Use Segments & Congruence • Use Midpoint & Distance Formulas • Measure & Classify Angles • Describe Angle Pair Relationships • Applications 	<p>NJSLS-G.CO.1 NJSLS-G.CO.7 NJSLS-G.CO.9 NJSLS-G.CO.12 NJSLS-G.GPE.7</p>	<p>Days 136 - 150</p>	Unit 12	<ul style="list-style-type: none"> • Introduction to Probability • Defining events and finding sa • Theoretical and Experimental P • Odds in favor and against • Independent and Dependent E
Unit 12	<ul style="list-style-type: none"> • Identify Pairs of Lines and Angles • Use Parallel Lines and Transversals 	<p>NJSLS-G.CO.1 NJSLS-G.CO.9</p>	<p>Days 151 - 165</p>	Unit 13	<ul style="list-style-type: none"> • Identify Points, Lines, and Plan • Use Segments & Congruence • Use Midpoint & Distance Form • Measure & Classify Angles • Describe Angle Pair Relationsh • Applications
Unit 13	<ul style="list-style-type: none"> • Classify Polygons • Perimeter • Area • Circumference • Volume • Surface Area • Applications 	<p>NJSLS-G.GMD.1 NJSLS-G.GMD.3 NJSLS-G.GMD.4 NJSLS-G.MG.1 NJSLS-G.MG.3 NJSLS-G.C.5</p>	<p>Days 166 - 180</p>	Unit 14	<ul style="list-style-type: none"> • Identify Pairs of Lines and Ang • Use Parallel Lines and Transver • Slopes of Equations of Parallel
				Unit 15	<ul style="list-style-type: none"> • Classify Polygons • Perimeter

					<ul style="list-style-type: none">• Area• Circumference• Volume• Surface Area
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