

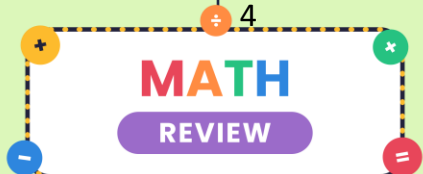
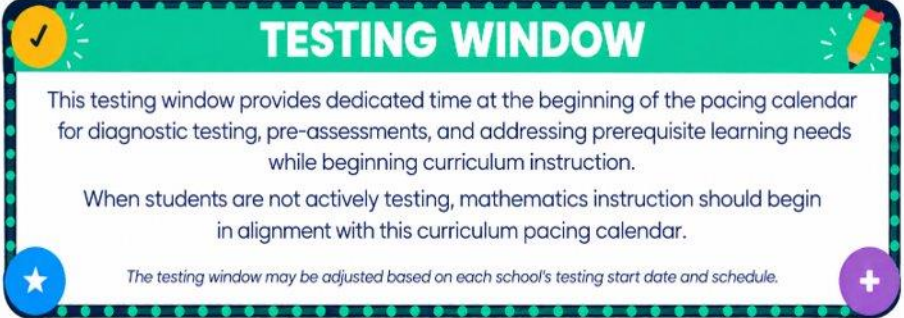
The background features a large, faint, circular seal. The seal contains the letters 'H' and 'S' in a stylized font, with the words 'Hempstead Union Free School District' and 'New York' visible around the perimeter.

Hempstead Union Free School District
8th Grade Algebra
2026–2027 School Year

September



2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
	1 First Day of School	2	3 	4	<u>Instructional Protocols</u>
7 	8 	9 Testing Window	10 Testing Window	11 	
14 World of Math Lesson 1.1: Real Numbers AI-N.RN.3.a, AI-N.RN.3.b	15 World of Math Lesson 1.1: Real Numbers AI-N.RN.3.a, AI-N.RN.3.b	16 Lesson 1.2: Precision and Accuracy in Calculations AI-N.Q.3	17 Lesson 1.2: Precision and Accuracy in Calculations AI-N.Q.3	18 Lesson 1.3: Expressions, inequalities AI-N.Q.1.i, AI-N.Q.1.ii, AI-N.Q.1.iii, AI-A.SSE.1.a, AI-A.SSE.1.b, AI-A.SSE.2	
21 	22 Lesson 1.3: Expressions, equations and inequalities AI-N.Q.1.i, AI-N.Q.1.ii, AI-N.Q.1.iii, AI-A.SSE.1.a, AI-A.SSE.1.b, AI-A.SSE.2	23 Lesson 1.4 – Functions and Graphs AI-F.BF.1.a	24 Lesson 1.4 – Functions and Graphs AI-F.BF.1.a	25 	
28 Foundations for Algebra Module Review	29 Module Project:	30 Module Project:	 TESTING WINDOW This testing window provides dedicated time at the beginning of the pacing calendar for diagnostic testing, pre-assessments, and addressing prerequisite learning needs while beginning curriculum instruction. When students are not actively testing, mathematics instruction should begin in alignment with this curriculum pacing calendar. <i>The testing window may be adjusted based on each school's testing start date and schedule.</i>		

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
			1 Module Test: Foundations for Algebra	2 WORLD OF MATH Lesson 2:1 Solve Linear Equations in One Variable AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.3	
5 Lesson 2:1 Solve Linear Equation in One Variable AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.3	6 Lesson 2:2 Rewrite Formulas and Solve Literal Equations AI-A.CED.4, AI-A.REI.3	7 Lesson 2:2 Rewrite Formulas and Solve Literal Equations AI-A.CED.4, AI-A.REI.3	8 Lesson 2:3 Solve Linear Inequalities in One Variable AI-A.CED.1, AI-A.CED.3, AI- A.REI.3	9 Lesson 2:3 Solve Linear Inequalities in One Variable AI-A.CED.1, AI-A.CED.3, AI- A.REI.3 	
12 	13 Lesson 2:4 Solve Absolute Value Equations and Inequalities AI-A.CED.1	14 Lesson 2:4 Solve Absolute Value Equations and Inequalities AI-A.CED.1	15 Linear and Absolute Value Equations and Inequalities Module Review Module Project	16 Module Test: Linear and Absolute Value Equations and Inequalities	
19 WORLD OF MATH Lesson 3:1 Linear Equations in Standard Form AI-A.CED.2, AI-A.CED.3, AI- A.REI.10, AI-F.IF.7.a	20 WORLD OF MATH Lesson 3:1 Linear Equations in Standard Form AI-A.CED.2, AI-A.CED.3, AI- A.REI.10, AI-F.IF.7.a	21 Lesson 3:1 Linear Equations in Standard Form AI-A.CED.2, AI-A.CED.3, AI-A.REI.10, AI-F.IF.7.a	22 Lesson 3:2 Linear Equations in Slope- Intercept Form AI-A.CED.2, AI-F.IF.7.a, AI-F.LE. 1.b, AI-F.LE.2.ii	23 Lesson 3:2 Linear Equations in Slope- Intercept Form AI-A.CED.2, AI-F.IF.7.a, AI- F.LE.1.b, AI-F.LE.2.ii 	
26 Lesson 3:3 Linear Equations in Point- Slope Form AI-A.SSE.2, AI-A.CED.2, AI- F.LE.2.i, AI-F.LE.2.ii, AI- F.LE.2.iii	27 Lesson 3:3 Linear Equations in Point-Slope Form AI-A.SSE.2, AI-A.CED.2, AI- F.LE.2.i, AI-F.LE.2.ii, AI- F.LE.2.iii	28 Lesson 3:4 Linear Inequalities in Two Variables AI-A.CED.3, AI-A.REI.12	29 Lesson 3:4 Linear Inequalities in Two Variables AI-A.CED.3, AI-A.REI.12	30 Linear Equations and Inequalities in Two Variables Module Review	

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY
2 Module Project	3  Election Day	4 Module Test: linear Equations and Inequalities in Two Variables	5 WORLD OF MATH Lessons 4:1 Solve Systems of Linear Equations by Graphing AI-A.CED.3, AI-A.REI.6.a	6 Lessons 4:1 Solve Systems of Linear Equations by Graphing  AI-A.CED.3, AI-A.REI.6.a	FOCUS
9 Lesson 4:2 -Solve Systems of Linear Equations by Substitution AI-A.CED.3, AI-A.REI.6.a	10 Lesson 4:2 -Solve Systems of Linear Equations by Substitution AI-A.CED.3, AI-A.REI.6.a	11  Happy Veterans Day	12 Lesson 4:3-Solve Systems of Linear Equations by Elimination AI-A.CED.3, AI-A.REI.6.a	13 Lesson 4:3-Solve Systems of Linear Equations by Elimination AI-A.CED.3, AI-A.REI.6.a	
16 Lesson 4:4 -Graph Systems of Linear Inequalities AI-A.CED.3, AI-A.REI.12	17 Lesson 4:4 -Graph Systems of Linear Inequalities AI-A.CED.3, AI-A.REI.12	18 Linear Systems Module Review	19  PARENT-TEACHER CONFERENCES ½ DAY	20 Module Project  Math Discourse	
23 Module Test: Linear Systems	24 WORLD OF MATH Lesson 5:1 - Solve Equations Using Graphs, Tables, and Successive Approximations AI-A.CED.1, AI-A.REI.4.b.vi, AI-A.REI.10, AI-A.REI.11.i, AI-A.REI.11.ii, AI-A.REI.11.iii	25  EVACUATION DRILL ½ DAY	26 	27	
30 Lesson 5:1 - Solve Equations Using Graphs, Tables, and Successive Approximations AI-A.CED.1, AI-A.REI.4.b.vi, AI-A.REI.10, AI-A.REI.11.i, AI-A.REI.11.ii, AI-A.REI.11.iii					

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
	1	2	3	4	
	Math Benchmark #1		Lesson 5:2-Multiply Binomials AI-A.SSE.2, AI-A.APR.1	Lesson 5:2-Multiply Binomials AI-A.SSE.2, AI-A.APR.1 	
7 Lesson 5:3- Solve Quadratic Equations by Factoring $x^2 + bx + c$ AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.iii, AI-A.REI.4.b.vi	8 Lesson 5:3- Solve Quadratic Equations by Factoring $x^2 + bx + c$ AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.iii, AI-A.REI.4.b.vi	9 Lesson 5:4 Solve Quadratic Equations by Factoring $ax^2 + bx + c$ AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.iii, AI-A.REI.4.b.vi	10 Lesson 5:4 Solve Quadratic Equations by Factoring $ax^2 + bx + c$ AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.iii, AI-A.REI.4.b.vi	11 Lesson 5:5-Use Special Factoring Patterns to Solve Quadratic Equations AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.iii	
14 Lesson 5:5-Use Special Factoring Patterns to Solve Quadratic Equations AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.iii	15 Lesson 5:6-Solve Quadratic Equations by Taking Square Roots AI-N.RN.3.a, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.i, AI-A.REI.4.b.ii	16 Lesson 5:6-Solve Quadratic Equations by Taking Square Roots AI-N.RN.3.a, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.b.i, AI-A.REI.4.b.ii	17 Lesson 5:7 -Solve Quadratic Equations by Completing the Square AI-A.SSE.2, AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.a, AI-A.REI.4.b.iv	18 Lesson 5:8 -Use the Quadratic Formula to Solve Equations 	
21 Lesson 5:8 -Use the Quadratic Formula to Solve Equations AI-A.CED.1, AI-A.REI.1.a, AI-A.REI.4.a, AI-A.REI.4.b.v	22 Lesson 5:9-Solve Linear-Quadratic Systems AI-A.REI.4.b.vi, AI-A.REI.7.a	23 	24 	25 	
28 	29 	30 	31 		

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
		1		1 	
4 Lesson 5:9 Solve Linear-Quadratic Systems AI-A.REI.4.b.vi, AI-A.REI.7.a	5 Quadratic Equations and Systems Module Review	6 Module Project	7 Module Test: Quadratic Equations and Systems	8 WORLD OF MATH Lesson 6:1 Relations and Functions AI-F.IF.1, AI-F.IF.2, AI-F.IF.5	
11 Lesson 6:1 Relations and Functions AI-F.IF.1, AI-F.IF.2, AI-F.IF.5	12 Lesson 6:2 - Characteristics of Functions AI-F.IF.4.i, AI-F.IF.4.ii	13 Lesson 6:2 - Characteristics of Functions AI-F.IF.4.i, AI-F.IF.4.ii	14 Lesson 6:3 Transformations of Functions AI-F.BF.3.a.i, AI-F.BF.3.a.ii, AI-F.BF.3.a.iii, AI-F.BF.3.a.iv	15  Lesson 6:3 Transformations of Functions AI-F.BF.3.a.i, AI-F.BF.3.a.ii, AI-F.BF.3.a.iii, AI-F.BF.3.a.iv	
18 	19 Lesson 6:4 Inverses of Functions See note below*	20 Lesson 6:4 Inverses of Functions See note below*	21 Lesson 6:5 Functions as Models for Data AI-S.ID.5, AI-S.ID.6.a, AI-S.ID.7	22 Function Concepts Module Review	
25 Module Project	26 Module Test: Function Concepts	27 WORLD OF MATH Lesson 7:1 Linear Functions AI-F.IF.6, AI-F.IF.7.a, AI-F.IF.9, AI-F.LE.2.i, AI-F.LE.2.ii, AI-F.LE.2.iii	28 Lesson 7:1 Linear Functions AI-F.IF.6, AI-F.IF.7.a, AI-F.IF.9, AI-F.LE.2.i, AI-F.LE.2.ii, AI-F.LE.2.iii	29  Lesson 7:2 Absolute Value Functions AI-F.IF.7.b	

February- Probability

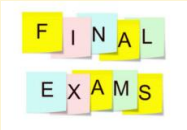
2027

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
1 WIDA Opens	2 Elementary ½ Day- Parent Teacher Conferences	3  Tentative Simulation Window	4 PreK & K ½ Day- Parent Teacher Conferences	5	
8 Lesson 7:2 Absolute Value Functions AI-F.IF.7.b	9 Lesson 7:3 Piecewise- Defined Functions AI-F.IF.7.b	10 Lesson 7:3 Piecewise- Defined Functions AI-F.IF.7.b	11 Lesson 7:4 Rational Exponents and Radicals See note below*	12  Lesson 7:4 Rational Exponents and Radicals See note below*	
15	16	17	18	19	
					
22 Lesson 7:5 Exponential Functions AI-A.SSE.3.c, AI-F.LE.2.i, AI-F.LE.2.ii, AI-F.LE.2.iii, AI-F.LE.3	23 Lesson 7:5 Exponential Functions AI-A.SSE.3.c, AI-F.LE.2.i, AI-F.LE.2.ii, AI-F.LE.2.iii, AI-F.LE.3	24 Lesson 7:6 Quadratic Functions AI-F.IF.7.a, AI-F.IF.8.a	25 Lesson 7:6 Quadratic Functions AI-F.IF.7.a, AI-F.IF.8.a	26 Families of Functions Module Review	

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
1 Module Project	2 NY-Module Test: Families of Functions	3 WORLD OF MATH Lesson 8:1 Arithmetic Sequences Defined Recursively AI-F.IF.3, AI-F.BF.1.a	4 Lesson 8:1 Arithmetic Sequences Defined Recursively AI-F.IF.3, AI-F.BF.1.a	5 Lesson 8:2 Arithmetic Sequences Defined Explicitly AI-F.IF.3, AI-F.BF.1.a 	
8 Math Benchmark # 2	9	10 Lesson 8:2 Arithmetic Sequences Defined Explicitly AI-F.IF.3, AI-F.BF.1.a	11 Lesson 8:3 Geometric Sequences Defined Recursively AI-F.IF.3, AI-F.BF.1.a	12 Lesson 8:3 Geometric Sequences Defined Recursively AI-F.IF.3, AI-F.BF.1.a	
15 Lesson 8:4 Geometric Sequences Defined Explicitly AI-F.IF.3, AI-F.BF.1.a	16 Lesson 8:4 Geometric Sequences Defined Explicitly AI-F.IF.3, AI-F.BF.1.a	17 Discrete Functions Module Review	18 Module Project	19  Module Test: Discrete Functions	
22 WORLD OF MATH Lesson 9:1 Bivariate Numerical Data, Correlation, and Fitted Lines AI-S.ID.6.a, AI-S.ID.7, AI-S.ID.9	23 Lesson 9:1 Bivariate Numerical Data, Correlation, and Fitted Lines AI-S.ID.6.a, AI-S.ID.7, AI-S.ID.9	24 Lesson 9:2 Residuals and Best-Fit Lines AI-S.ID.6.a, AI-S.ID.8	25 	26 	
29 Lesson 9:2 Residuals and Best-Fit Lines AI-S.ID.6.a, AI-S.ID.8	30 Lesson 9:3 Bivariate Categorical Data and Two-Way Tables AI-S.ID.5	31 Lesson 9:3 Bivariate Categorical Data and Two-Way Tables AI-S.ID.5			

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
			1 Lesson 9:4 Recognize Possible Associations between Categorical Variables AI-S.ID.5	2 Lesson 9:4 Recognize Possible Associations between Categorical Variables AI-S.ID.5 	
5 Bivariate Data and Linear Models Module Review	6 Model Project	7 Module Test: Bivariate Data and Linear Modules	8 WORLD OF MATH Lesson 10:1 Fit an Exponential Function to Data AI-F.LE.1.c, AI-F.LE.2.i, AI-F.LE.2.ii, AI-F.LE.2.iii, AI-F.LE.3	9 Lesson 10:1 Fit an Exponential Function to Data AI-F.LE.1.c, AI-F.LE.2.i, AI-F.LE.2.ii, AI-F.LE.2.iii, AI-F.LE.3	
12 Lesson 10:2 Fit a Quadratic Function to Data See note below*	13 Lesson 10:2 Fit a Quadratic Function to Data See note below*	14 Lesson 10:3 Choose Among Linear, Exponential, and Quadratic Models AI-S.ID.6.a, AI-F.LE.3	15 Lesson 10:3 Choose Among Linear, Exponential, and Quadratic Models AI-S.ID.6.a, AI-F.LE.3	16  Nonlinear Models for Data Module Review	
19 Module Project	20 Module Test: Nonlinear Models for Data	21 WORLD OF MATH Lesson 11:1 Rewrite Exponential Functions to Reveal Features AI-A.SSE.3.c, AI-A.CED.1, AI-F.LE.2.ii	22 WORLD OF MATH Lesson 11:1 Rewrite Exponential Functions to Reveal Features AI-A.SSE.3.c, AI-A.CED.1, AI-F.LE.2.ii	23 Lesson 11:2 Rewrite Quadratic Functions to Reveal Features AI-F.IF.8.a	
26	27	28	29	30	
READY, SET... SPRING BREAK!					

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
3 Lesson 11:2 Rewrite Quadratic Functions to Reveal Features AI-F.IF.8.a	4 PreK & K ½ Day- Parent Teacher Conferences	5 Elementary/Bilingual ENL ½ Day- Parent Teacher Conferences	6  PARENT-TEACHER CONFERENCES ½ DAY	7	
10 Lesson 11:3 Other Types of Sequences AI-F.IF.3, AI-F.BF.1.a	11 Lesson 11:3 Other Types of Sequences AI-F.IF.3, AI-F.BF.1.a	12 Features of Functions Module Review	13 Module Project	14  Module Test: Features of Functions	
17 WORLD OF MATH Lesson 12:1 Compare Linear and Exponential Growth and Decay AI-F.LE.1.a, AI-F.LE.1.b, AI-F.LE.1.c AI-F.LE.5	18 Lesson 12:1 Compare Linear and Exponential Growth and Decay AI-F.LE.1.a, AI-F.LE.1.b, AI-F.LE.1.c AI-F.LE.5	19 Lesson 12:3 Add and Subtract Polynomials AI-A.APR.1	20 Lesson 12:3 Add and Subtract Polynomials AI-A.APR.1	21 Lesson 12:4 Multiply Polynomials AI-A.APR.1	
24 Lesson 12:4 Multiply Polynomials AI-A.APR.1	25 Lesson 12:5 Perform Operations with Functions See Note Below	26 Lesson 12:5 Perform Operations with Functions See Note Below	27 Lesson 12:6 Apply Inverses of Function Models  See Note Below	28 	
31 					

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	WEEKLY FOCUS
	1 Lesson 12:6 Apply Inverses of Function Models See Note Below	2 Growth, Decay , and Function Operations Module Review	3 Module Project	4 NY: Module Test: Growth, Decay, and Function Operations	
7 WORLD OF MATH Lesson 13:1 Data Distributions and Appropriate Statistics AI-S.ID.1, AI-S.ID.2, AI-S.ID.3	8 Lesson 13:1 Data Distributions and Appropriate Statistics AI-S.ID.1, AI-S.ID.2, AI-S.ID.3	9 Lesson 13:2 Compare Data Distributions AI-S.ID.1, AI-S.ID.2, AI-S.ID.3	10 Lesson 13:2 Compare Data Distributions AI-S.ID.1, AI-S.ID.2, AI-S.ID.3	11  Lesson 13:3 Statistical Problem Solving AI-S.ID.1, AI-S.ID.2, AI-S.ID.3	
14 Lesson 13:3 Statistical Problem Solving AI-S.ID.1, AI-S.ID.2, AI-S.ID.3	15 Data Distributions Module Review 	16 ALGEBRA I REGENTS EXAM	17 	18 	
21 	22 GEOMETRY REGENTS EXAM	23 	24 	25 	
28	29	30			



Standard for Mathematical Practice	Student Friendly Language
1. Make sense of problems and persevere in solving them. 	I can try many times to understand and solve a math problem.
2. Reason abstractly and quantitatively. 	I can think about the math problem in my head, first.
3. Construct viable arguments and critique the reasoning of others. 	I can make a plan, called a strategy, to solve the problem and discuss other students' strategies too.
4. Model with mathematics. 	I can use math symbols and numbers to solve the problem.
5. Use appropriate tools strategically. 	I can use math tools, pictures, drawings, and objects to solve the problem.
6. Attend to precision. 	I can check to see if my strategy and calculations are correct.
7. Look for and make use of structure. 	I can use what I already know about math to solve the problem.
8. Look for and express regularity in repeated reasoning. 	I can use a strategy that I used to solve another math problem.

Next-Generation Math Practice Standards

Parent Resources/Recursos para Padres

[Module 1/Módulo 1/Modil 1](#)

[Module 2/Módulo 2/Modil 2](#)

[Module 3/Módulo 3/Modil 3](#)

[Module 4/Módulo 4/Modil 4](#)

[Module 5/Módulo 5/Modil 5](#)

[Module 6/Módulo 6/Modil 6](#)

[Module 7/Módulo 7/Modil 7](#)

[Module 8/Módulo 8/Modil 8](#)

[Module 9/Módulo 9/Modil 9](#)

[Module 10/Módulo 10/Modil 10](#)

[Module 11/Módulo 11/Modil 11](#)

[Module 12/Módulo 12/Modil 12](#)

[Module 13/Módulo 13/Modil 13](#)

[Module 14/Módulo 14/Modil 14](#)

[Module 15/Módulo 15/Modil 15](#)

[Module 16/Módulo 16/Modil 16](#)

[Module 17/Módulo 17/Modil 17](#)

[Module 18/Módulo 18/Modil 18](#)

[Module 19/Módulo 19/Modil 19](#)

[Module 20/Módulo 20/Modil 20](#)

[Module 21/Módulo 21/Modil 21](#)

[Module 22/Módulo 22/Modil 22](#)