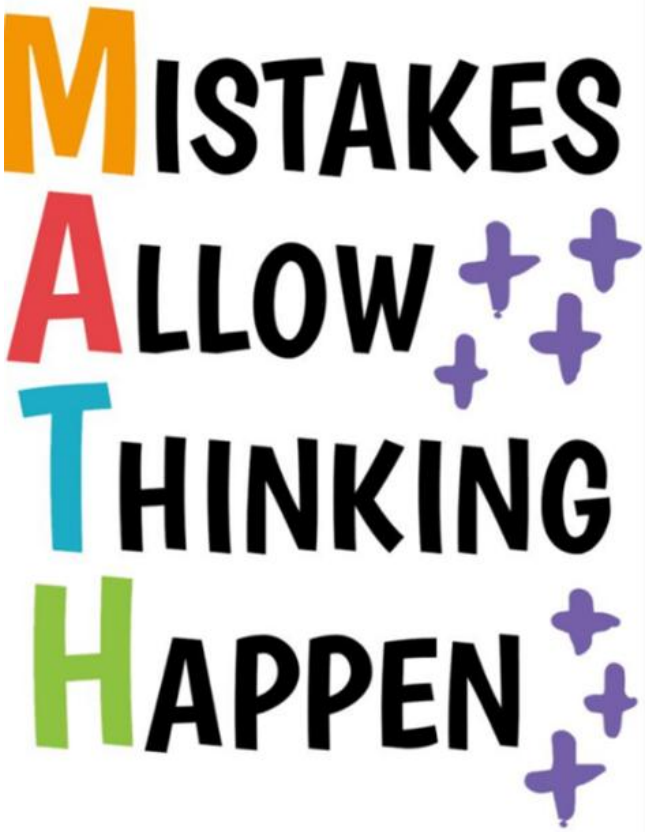
Hempstead Union Free School District
Grade 7
Mathematics Pacing Guides
2025–2026 School Year



Mission Statement

We value each student's voice and background, using their work to deepen understanding and guide instruction. By meeting learners where they are and embracing mistakes as thinking opportunities, we foster a culture of reflection, growth, and meaningful mathematical learning.

Vision Statement

We envision a learning community where students are equipped with the critical thinking, problem-solving, and adaptive skills needed to thrive in a world yet to be imagined. Through rigorous, relevant, and responsive math instruction, we prepare all learners to be college- and career-ready, confident in their ability to tackle future challenges with curiosity and resilience.

Effective Math Teaching Practices

Mathematics Teaching Practices
Establish mathematics goals to focus learning. Effective teaching of mathematics establishes clear goals for the mathematics that students are learning, situates goals within learning progressions, and uses the goals to guide instructional decisions.
Implement tasks that promote reasoning and problem solving. Effective teaching of mathematics engages students in solving and discussing tasks that promote mathematical reasoning and problem solving and allow multiple entry points and varied solution strategies.
Use and connect mathematical representations. Effective teaching of mathematics engages students in making connections among mathematical representations to deepen understanding of mathematics concepts and procedures and as tools for problem solving.
Facilitate meaningful mathematical discourse. Effective teaching of mathematics facilitates discourse among students to build shared understanding of mathematical ideas by analyzing and comparing student approaches and arguments.
Pose purposeful questions. Effective teaching of mathematics uses purposeful questions to assess and advance students' reasoning and sense making about important mathematical ideas and relationships.
Build procedural fluency from conceptual understanding. Effective teaching of mathematics builds fluency with procedures on a foundation of conceptual understanding so that students, over time, become skillful in using procedures flexibly as they solve contextual and mathematical problems.
Support productive struggle in learning mathematics. Effective teaching of mathematics consistently provides students, individually and collectively, with opportunities and supports to engage in productive struggle as they grapple with mathematical ideas and relationships.
Elicit and use evidence of student thinking. Effective teaching of mathematics uses evidence of student thinking to assess progress toward mathematical understanding and to adjust instruction continually in ways that support and extend learning.

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September- Unit Rate and Proportional Relationships 2025

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
1 **No School Labor Day**	2 **First Day of School**	3 FIRST WEEK ACTIVITIES	4	5 Math Review	Module 1 Suggested Tools
8 Start Curriculum NY-7.RP.1 M1: Lesson 1	9 NY-7.RP.1 M1: Lesson 2	10 NY-7.RP.1 M1: Lesson 3	11 NY-7.RP.1 M1: Lesson 4	12 NY-7.RP.1 M1: Lesson 5	
15 **Review/Assessment Lessons 1-5**	16 NY-7.RP.2 M1: Lesson 6A	17 NY-7.RP.2 M1: Lesson 6b	18 NY-7.RP.2 M1: Lesson 8	19 NY-7.RP.2 M1: Lesson 9	
22 NY-7.RP.2 M 1 Lesson 10A	23 **No School Rosh Hashana**	24 **No School Rosh Hashana**	25 NY-7.RP.2 M1: Lesson 10B	26 NY-7.RP.2 M1: Lesson 11	
29 NY-7.RP.2 M1: Lesson 13	30 **Module Review**				

October- Integers

2025

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
		1 Module 1 Assessment	2 **No School Yom Kippur**	3 Module Review	**Module 2 Suggested Tools**
6 NY-7.G.1 M1: Lesson 15	7 NY-7.G.1 M1: Lesson 16	8 NY-7.G.1 M1: Lesson 19-20	9 NY-7.NS.1 M2: Lesson 1	10 NY-7.NS.1 M2: Lesson 5	
13 **No School Columbus Day**	14 NY-7.NS.1 M2: Lesson 8-9	15 NY-7.NS.1 M2: Lesson 10-11	16 NY-7.NS.1 M2: Lesson 12	17 Mid Module Review	
20 NY-7.NS.2 M2: Lesson 13-14	21 NY-7.NS.2 M2: Lesson 15-16	22 NY-7.NS.2 M2: Lesson 17-18	23 NY-7.NS.2 M2: Lesson 19-20A	24 NY-7.NS.2 M2: Lesson 21	
27 NY-7.NS.2 M2: Lesson 23	28 NY-7.NS.2 M2: Lesson 24	29 NY-7.NS.2 M2: Lesson 25	30 NY-7.NS.2 M2: Lesson 26	31 Module Review	

November- Expressions and Equations

2025

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
					Module 3 Suggested Tools
3 Module Assessment	4 **Professional Development Day- ½ for Students**	5 NY-7.EE.1 M3: Lesson 1	6 NY-7.EE.1 M3: Lesson 2	7 NY-7.EE.1 M3: Lesson 3	
10 NY-7.EE.1 M3: Lesson 4A	11 **No School Veteran's Day**	12 NY-7.EE.1 M3: Lesson 4B	13 NY-7.EE.1 M3: Lesson 5A	14 NY-7.EE.1 M3: Lesson 5B	
17 NY-7.EE.1 M3: Lesson 6	18 **½ Day Parent Teacher Conferences**	19 NY-7.EE.2 M3: Lesson 7A	20 NY-7.EE.4 M3: Lesson 7B	21 NY-7.EE.4 M3: Lesson 8	
24 NY-7.EE.4 M3: Lesson 9	25 Mid-Module Review	26 **½ Day- District Wide Evacuation Drill**	27 **No School Thanksgiving Recess**	28 **No School Thanksgiving Recess**	

December- Inequalities

2025

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
1 NY-7.EE.4 M3: Lesson 10	2 NY-7.EE.4 M3: Lesson 11	3 NY-7.EE.4 M3: Lesson 16	4 NY-7.EE.4 M3: Lesson 17	5 7.EE.4 Writing & Solving Equations	Module 3 Suggested Tools
8 Mid-Module Review	9 7.EE.4 Inequality Review	10 7.EE.4 Graphing Solution Set	11 NY-7.EE.4 M3: Lesson 18	12 NY-7.EE.4 M3: Lesson 21A	
15 NY-7.EE.4 M3: Lesson 21B	16 NY-7.EE.4 M3: Lesson 22	17 NY-7.EE.4 M3: Lesson 23	18 Module Review	19 Module Assessment	
22 **No School Holiday Recess**	23 **No School Holiday Recess**	24 **No School Holiday Recess**	25 **No School Holiday Recess**	26 **No School Holiday Recess**	
29 **No School Holiday Recess**	30 **No School Holiday Recess**	31 **No School Holiday Recess**			

January- Percent

2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
		1 **No School Holiday Recess**	2 **No School Holiday Recess**	3 Assessment Data Review	Module 4 Suggested Tools
5 All topics Review	6 i-Ready Testing	7 i-Ready Testing	8 i-Ready Testing	9 i-Ready Testing	
12 NY7.EE.3 & 7.RP.3 M4: Lesson 1	13 NY7.EE.3 & 7.RP.3 M4: Lesson 2A	14 NY7.EE.3 & 7.RP.3 M4: Lesson 2B	15 NY7.EE.3 & 7.RP.3 M4: Lesson 3	16 NY7.EE.3 & 7.RP.3 M4: Lesson 4	
19 **No School MLK Holiday**	20 NY7.EE.3 & 7.RP.3 M4: Lesson 5	21 NY7.EE.3 & 7.RP.3 M4: Lesson 6A	22 NY7.EE.3 & 7.RP.3 M4: Lesson 6B	23 NY7.EE.3 & 7.RP.3 M4: Lesson 7	
26 NY7.EE.3 & 7.RP.3 M4: Lesson 8	27 Mid Module Review	28 Mid Module Assessment	29 NY7.EE.3 & 7.RP.3 M4: Lesson 9A	30 NY7.EE.3 & 7.RP.3 M4: Lesson 9B	

February- Probability

2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
2 NY7.EE.3 & 7.RP.3 M4: Lesson 10	3 **½ Day- Parent Teacher Conferences**	4 NY7.EE.3 & 7.RP.3 M4: Lesson 11	5 NY7.EE.3 & 7.RP.3 M4: Lesson 12	6 NY7.EE.3 & 7.RP.3 M4: Lesson 14	**Module 4 Suggested Tools**
9 NY7.EE.3 & 7.RP.3 M4: Lesson 15	10 NY7.EE.3 & 7.RP.3 M4: Lesson 16	11 NY7.EE.3 & 7.RP.3 M4: Lesson 17	12 NY7.EE.3 & 7.RP.3 M4: Lesson 18	13 NY7.EE.3 & 7.RP.3 M4: Lesson 19-20	
16 **No School Winter Recess**	17 **No School Winter Recess** **(Lunar New Year)**	18 **No School Winter Recess**	19 **No School Winter Recess**	20 **No School Winter Recess**	
23 Module Review	24 Module Assessment	25 NY-7.SP.8 Intro Probability	26 NY-7.SP.8 Simple Probability	27 NY-7.SP.8 M5: Lesson 1	

March- Statistics

2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
2 NY-7.SP.8 M5: Lesson 1	3 NY-7.SP.8 M5: Lesson 2	4 NY-7.SP.8 M5: Lesson 3	5 NY-7.SP.8 M5: Lesson 4	6 Probability Review	Module 5 Suggested Tools
9 Review of Measures of Center	10 Review of Measures of Center	11 Review of Measures of Center	12 NY-7.SP.1 M5: Lesson 5A	13 NY-7.SP.1 M5: Lesson 5B	
16 NY-7.SP.1 M5: Lesson 6	17 NY-7.SP.1 M5: Lesson 7	18 NY-7.SP.1 M5: Lesson 8	19 Module Review	20 Module Assessment	
23 Review by Standard	24 Review by Standard	25 Review by Standard	26 Review by Standard	27 Review by Standard	
30 Review by Standard	31 Review by Standard				

April- Review

2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
		1 Review by Standard	2 **First Snow Day (Otherwise school closed)**	3 **Spring Recess**	
6 **Spring Recess**	7 **Spring Recess**	8 **Spring Recess**	9 **Spring Recess**	10 **Spring Recess**	
13 Review by Standard	14 **ELA NYS Assessment**	15 **ELA NYS Assessment**	16 Review	17 Review	
20 Review	21 Review	22 Review	23 Review	24 Review	
27 Review	28 **Math NYS Assessment**	29 **Math NYS Assessment**	30 Review		

May- Sharing the Planet

2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
				1 AI-A.APR.1 Distribute	
4 AI-A.APR.1 Distribute	5 Conf. Day-ENL Half Day for students	6 AI-A.APR.1 Combine Like Terms	7 AI-A.APR.1 Combine Like Terms	8 AI-A.APR.1 Distribute and Combine Like Terms	
11 AI-A.APR.1 Distribute and Combine Like Terms	12 AI-A.APR.1 Distribute and Combine Like Terms	13 AI-A.APR.1 Distribute and Combine Like Terms	14 AI-A.APR.1 Distribute and Combine Like Terms	15 AI-A.APR.1 Distribute and Combine Like Terms	
18 i-Ready Testing	19 i-Ready Testing	20 i-Ready Testing	21 AI-A.REI.3 Solving Equations	22 2nd Snow Day (otherwise school close)	
25 No School Memorial Day	26	27	28	29	

June- Sharing the Planet

2026

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	NOTES
1 AI-A.REI.3 Solving Equations	2 AI-A.REI.3 Solving Equations	3 AI-A.REI.3 Solving Equations	4 AI-A.REI.3 Solving Equations	5 AI-A.REI.3 Solving Equations	
8 AI-A.REI.3 Solving Equations	9 AI-A.REI.3 Solving Equations	10 AI-A.REI.3 Solving Equations	11 AI-A.REI.3 Solving Equations	12 AI-A.REI.3 Solving Equations	
15 AI-A.REI.3 Solving Equations	16 AI-A.REI.3 Solving Equations	17 Algebra Regents	18 Life Science: Biology Regents	19 Closed for Juneteenth	
22 **Final Exams**	23 **Final Exams**	24 **Final Exams**	25 **Final Exams**	26 Last Day of School (Early Dismissal)	
29	30				

Grade 7

Domain	Cluster	Standard(s)	Post Standard
Ratios and Proportional Relationships	*Analyze proportional relationships and use them to solve real-world and mathematical problems.*	NY-7.RP.1	
		NY-7.RP.2a, 2b, 2c, 2d	
		NY-7.RP.3	
The Number System	*Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.*	NY-7.NS.1a, 1b, 1c, 1d	
		NY-7.NS.2a, 2b, 2c, 2d	
		NY-7.NS.3	
Expressions, Equations, and Inequalities	*Use properties of operations to generate equivalent expressions.*	NY-7.EE.1	
		NY-7.EE.2	
	Solve real-life and mathematical problems using numerical and algebraic expressions, equations, and inequalities.	NY-7.EE.3	
		NY-7.EE.4a (Fluency), 4b	
Geometry	*Draw, construct, and describe geometrical figures and describe the relationships between them.*	NY-7.G.1	
		NY-7.G.2	X
		NY-7.G.3	X
	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.	NY-7.G.4	X
		NY-7.G.5	X
		NY-7.G.6	X
Statistics and Probability	*Draw informal comparative inferences about two populations.*	NY-7.SP.1	
		NY-7.SP.3	
		NY-7.SP.4	
	Investigate chance processes and develop, use, and evaluate probability models.	NY-7.SP.8a, 8b, 8c	

X = Standards designated for instruction in May-to-June

Next-Generation Math Practice Standards

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.

Parent Resources

Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

Recursos para Padres

Módulo 1

Módulo 2

Módulo 3

Módulo 4

Módulo 5

Módulo 6