

**Algebra I**  
Pacing Guide First Semester

**1<sup>st</sup> Quarter**

**Grade Readiness**

**Readiness skills (behaviors):** Students can:

- identify and combine like terms fluently (integers).
- use distributive property when appropriate and solve equations.

**Knowledge (Standards):** Students who demonstrate understanding can:

- combine like terms fluently (integers).
- use distributive property.
- identify key features of an expression.
- solve equations and inequalities and justify steps in solving equations.
- create equations and inequalities.
- rearrange formulas.
- identify functions and use function notation.
- understand difference between correlation/causation.
- interpret and calculate slope.
- identify key features of a graph and graph linear equations and inequalities.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 1 Week 1	5	Review Readiness Skills – vocab, combining like terms, integers	Guided Notes Flash Cards Practice on Quizizz Delta Math		All Things Algebra Curriculum	
Quarter 1 Week 2	5	Review Readiness Skills - solving 1&2 step equations A1A.SSE.A.1a&b	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/2910869">https://app.masteryconnect.com/materials/2910869</a>  <a href="https://app.masteryconnect.com/materials/2910846">https://app.masteryconnect.com/materials/2910846</a>
Quarter 1 Week 3	5	A1A.REI.A.1 A1A.REI.B.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod 1 Lesson 14 Eureka Math  <a href="https://teacher.desmos.com/activitybuilder/custom/57d9fdc6ebf48f73093807b2">https://teacher.desmos.com/activitybuilder/custom/57d9fdc6ebf48f73093807b2</a>	<a href="https://app.masteryconnect.com/materials/3277281">https://app.masteryconnect.com/materials/3277281</a>  <a href="https://app.masteryconnect.com/materials/3277285">https://app.masteryconnect.com/materials/3277285</a>

					All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3097051">https://app.masteryconnect.com/materials/3097051</a>
Quarter 1 Week 4	5	Benchmark A1A.CED.A.1 A1A.CED.A.4	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod 1 Lesson 19  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277214">https://app.masteryconnect.com/materials/3277214</a>
Quarter 1 Week 5	4	Review and Test A1.F.IF.A.1 A1.F.IF.A.2 A1.S.ID.C.7	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod 3 Lesson 9,10 Eureka Math  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/2962211">https://app.masteryconnect.com/materials/2962211</a>  <a href="https://app.masteryconnect.com/materials/3277370">https://app.masteryconnect.com/materials/3277370</a>  <a href="https://app.masteryconnect.com/materials/2962296">https://app.masteryconnect.com/materials/2962296</a>
Quarter 1 Week 6	5	A1.S.ID.C.5 A1.F.IF.B.5 A1.F.IF.B.3- A1.A.REI.D.5-	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	<a href="https://teacher.desmos.com/activitybuilder/custom/5605bb5f00701ed10fb09314">https://teacher.desmos.com/activitybuilder/custom/5605bb5f00701ed10fb09314</a>  <a href="https://teacher.desmos.com/activitybuilder/custom/566b31734e38e1e21a10aac8">https://teacher.desmos.com/activitybuilder/custom/566b31734e38e1e21a10aac8</a>  Mod 1 Lesson 20 Eureka Math  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277697">https://app.masteryconnect.com/materials/3277697</a>  <a href="https://app.masteryconnect.com/materials/3277704">https://app.masteryconnect.com/materials/3277704</a>
Quarter 1 Week 7	5	A1.A.REI.D.7	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod 1 Lesson 21 Eureka Math  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277348">https://app.masteryconnect.com/materials/3277348</a>
Quarter 1 Week 8	5	<b>Benchmark #1</b>				<b>Benchmark #1</b>
Quarter 1 Week 9	5	Review and test				

**Algebra I**  
Pacing Guide First Semester  
**2<sup>nd</sup> Quarter**

**Grade Readiness**

**Readiness skills (behaviors):** Students can graph linear equations and inequalities.

**Knowledge (Standards):** Students who demonstrate understanding can:

- write and solve a system of linear equations using substitution, graphing, and elimination.
- explain why  $g(x)=f(x)$ .
- create systems and solve a system of inequalities.
- interpret the meaning of solutions.
- add/subtract/multiply/divide polynomials.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 2 Week 1	5	A1.A.REI.C.4	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Systems of Equations  <a href="https://teacher.desmos.com/activitybuilder/custom/5807d7306ef115e7053a142a">https://teacher.desmos.com/activitybuilder/custom/5807d7306ef115e7053a142a</a>  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277342">https://app.masteryconnect.com/materials/3277342</a>
Quarter 2 Week 2	5	A1.A.REI.D.6 A1.A.CED.A.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Module 1 Lesson 22 Eureka Math Lesson 24  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277344">https://app.masteryconnect.com/materials/3277344</a>  <a href="https://app.masteryconnect.com/materials/3097114">https://app.masteryconnect.com/materials/3097114</a>
Quarter 2 Week 3	5	A1.A.REI.D.7	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277348">https://app.masteryconnect.com/materials/3277348</a>
Quarter 2 Week 4	4	A1.A.CED.A.3  Review and Test 1 Q2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Module 1 Lesson 20 & 23  Solutions to Systems  <a href="https://teacher.desmos.com/activitybuilder/custom/564a325345d9115d06270607">https://teacher.desmos.com/activitybuilder/custom/564a325345d9115d06270607</a>  All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277233">https://app.masteryconnect.com/materials/3277233</a>
Quarter 2 Week 5	5	A1.A.APR.A.1	Guided Notes	Constructive Response	Mod 1 Lesson 8 Eureka Math	<a href="https://app.masteryconnect.com/materials/3022880">https://app.masteryconnect.com/materials/3022880</a>

			Flash Cards Practice on Quizizz Delta Math	Verbal and written justification	All Things Algebra Curriculum	
Quarter 2 Week 6	5	A1.A.APR.A.1	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod 1 Lesson 9 Eureka Math  Mod 4 Lesson 1 All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3022880">https://app.masteryconnect.com/materials/3022880</a>
Quarter 2 Week 7	5	Benchmark #2				Benchmark #2
Quarter 2 Week 8	5	Semester Exam				Semester Exam

**Algebra 1**  
Pacing Guide Second Semester  
**3<sup>rd</sup> Quarter**

**Grade Readiness**

**Readiness skills (behaviors):** Students can:

- identify terms, coefficients, and factors.
- graph on coordinate plane and identify key features.

**Knowledge (Standards):** Students who demonstrate understanding can:

- factor using GCF/difference of squares/ x-factor trinomials.
- identify key features of a quadratic.
- graph quadratic functions and solve quadratic functions by inspection/factoring/quadratic equation/completing the square.
- rewrite quadratics in vertex/standard/ factored form.
- solve and interpret projectile motion functions and exponential growth functions.
- represent and interpret data represented with dot plots/histograms/box plots/stem and leaf plots.
- compare center (median/mode/IQR) of two or more sets of data.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 3 Week 1	4	A1.A.SSE.A.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Mod 4 Lesson 1 All Things Algebra Curriculum	
Quarter 3 Week 2	5	A1.A.SSE.A.2 Factoring TEST	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Math Module 4 Lesson 2 All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/2910900">https://app.masteryconnect.com/materials/2910900</a>
Quarter 3 Week 3	4	A1.F. IF.C. 6 A1.A.REI.D. A1. A.REI.B.3b A1.A.APR.B. A1.F.IF.C.7 a	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Math Module 4 Lesson 7 &8  <a href="https://teacher.desmos.com/activitybuilder/custom/56e0b6af0133822106a0bed1">https://teacher.desmos.com/activitybuilder/custom/56e0b6af0133822106a0bed1</a> <a href="https://teacher.desmos.com/polygraph-parabolas">https://teacher.desmos.com/polygraph-parabolas</a>  Using Vocab Pt2	<a href="https://app.masteryconnect.com/materials/3277357">https://app.masteryconnect.com/materials/3277357</a> <a href="https://app.masteryconnect.com/materials/3277313">https://app.masteryconnect.com/materials/3277313</a> <a href="https://app.masteryconnect.com/materials/3097011">https://app.masteryconnect.com/materials/3097011</a>

					<a href="https://teacher.desmos.com/activitybuilder/custom/574f12421390db611564fa32">https://teacher.desmos.com/activitybuilder/custom/574f12421390db611564fa32</a> All Things Algebra Curriculum	
Quarter 3 Week 4	5	A1.A.REI.B.3b A1.F.IF.C.7a	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Math Module 4 Lesson 2 Tri Module 4 Lesson 14 QF All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277292">https://app.masteryconnect.com/materials/3277292</a>
Quarter 3 Week 5	5	A1.A.REI.B.3a&b	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Math Module 4 Lesson 14 QF Module 4 Lesson 11&12 CSI Module 4 Lesson 15- Disc All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277298">https://app.masteryconnect.com/materials/3277298</a>
Quarter 3 Week 6	5	A1.A.SSE.B.3 A1.F.IF.C.7 A1.F.BF.B.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod 3 Lesson 19, 20 Mod 4 Lesson 20 Eureka Math "Transformations" Module 4 Lesson 16&17 Vertex form  <a href="https://teacher.desmos.com/activitybuilder/custom/5605bb6200701ed10fb0931a">https://teacher.desmos.com/activitybuilder/custom/5605bb6200701ed10fb0931a</a>  <a href="https://teacher.desmos.com/activitybuilder/custom/566b31784e38e1e21a10aade">https://teacher.desmos.com/activitybuilder/custom/566b31784e38e1e21a10aade</a> All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277353">https://app.masteryconnect.com/materials/3277353</a>  <a href="https://app.masteryconnect.com/materials/2991922">https://app.masteryconnect.com/materials/2991922</a>  <a href="https://app.masteryconnect.com/materials/2991879">https://app.masteryconnect.com/materials/2991879</a>  <a href="https://app.masteryconnect.com/materials/2911084">https://app.masteryconnect.com/materials/2911084</a>
Quarter 3 Week 7	5	A1.F.IF.B.3 A1.F.LE.A.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Mod.4 Lesson 9 Mod 3 Lesson 4, 5, 6 Eureka Math exponential functions Decay-Lesson 7 All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/2962370">https://app.masteryconnect.com/materials/2962370</a>  <a href="https://app.masteryconnect.com/materials/3277363">https://app.masteryconnect.com/materials/3277363</a>  <a href="https://app.masteryconnect.com/materials/2991934">https://app.masteryconnect.com/materials/2991934</a>
Quarter 3 Week 8	4	Q3 Test #2				Q3 Test #2

Quarter 3 Week 9	5	Benchmark #3				Benchmark #3
Quarter 3 Week 10	5	A1.S.ID.A.1 A1.S.ID.A.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response Verbal and written justification	Eureka Module 2 All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3190964">https://app.masteryconnect.com/materials/3190964</a>

**Algebra I**  
Pacing Guide Second Semester  
**4<sup>th</sup> Quarter**

**Grade Readiness**

**Readiness skills (behaviors):** Students can read and determine different data representations.

**Knowledge (Standards):** Students who demonstrate understanding can:

- represent and interpret data represented with dot plots/histograms/box plots/stem and leaf plots.
- compare center (median/mode/IQR) of two or more sets of data.
- represent data on two quantitative variables on a scatter plot and explain the relation.

Pacing	Instruct. Days	TN Standards	Differentiation (ELL, SPED, Intervention, Enrichment)	Writing/Reading Focus	Resources	Assessments/ District Benchmarks/ State Exams
Quarter 4 Week 1	5	A1.S.ID.A.1 A1.S.ID.A.2	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Module 2 All Things algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3277745">https://app.masteryconnect.com/materials/3277745</a>  <a href="https://app.masteryconnect.com/materials/3277752">https://app.masteryconnect.com/materials/3277752</a>
Quarter 4 Week 2	5	A1.S.ID.A.3 A1.S.ID.B.4	Guided Notes Flash Cards Practice on Quizizz Delta Math	Constructive Response  Verbal and written justification	Eureka Module 2 All Things Algebra Curriculum	<a href="https://app.masteryconnect.com/materials/3278063">https://app.masteryconnect.com/materials/3278063</a>  <a href="https://app.masteryconnect.com/materials/3278069">https://app.masteryconnect.com/materials/3278069</a>
Quarter 4 Week 3	4	Review for TNReady				
Quarter 4 Week 4	5	Review for TNReady				
Quarter 4 Week 5	5	Review for TNReady				
Quarter 4 Week 6	5	Review for TNReady				
Quarter 4 Week 7	5	TNReady test				TNReady test
Quarter 4 Week 8	5	Geometry Readiness  Exam Review				
Quarter 4 Week 9	5	Exams				Exams