Algebra II Pacing 2025-26

Pacing guides are essential tools designed to ensure consistency in curriculum delivery across all schools within the Lansing School District. These guides provide a structured timeline for instructional planning while allowing flexibility for educators to meet the specific needs of their students and classrooms. Testing schedules, short weeks, and breaks have been factored into the pacing guidelines. By maintaining consistency in curriculum delivery and allowing flexibility for instructional adjustments, we can create optimal learning experiences for every student. For further guidance or support regarding pacing guides, please contact the Instructional Division.

Pacing guides serve multiple important purposes within our district:

1. Consistency in Curriculum: By following pacing guides, educators can ensure that all students receive the same essential content and skills regardless of the school they attend. This consistency supports academic achievement and reduces gaps in learning for students who transition between schools within our district.
2. Smooth Transitions for Students: Many students move between different schools within our district due to various reasons. Pacing guides help to align curriculum delivery across schools, making transitions smoother and minimizing disruptions in their educational journey.
3. Flexibility for Instruction: While pacing guides provide a structured framework, they also allow teachers the flexibility to adjust pacing based on classroom data and the unique needs of their students. This flexibility ensures that instruction remains responsive and effective.

Implementation Guidelines: Effective implementation of pacing guides plays a vital role in ensuring that all students in the Lansing School District receive high-quality instruction aligned with district standards and goals.

1. Distribution and Review: Pacing guides are available on the district website and in the Instructional Minute. Principals are responsible for ensuring that teachers within their respective grade levels and subjects review and follow these guides thoroughly.
2. Alignment with Instructional Plans: Teachers should align their instructional plans with the pacing guides to ensure that essential content and skills are covered within the designated time frame.
3. Monitoring and Adjustment: Teachers are encouraged to monitor student progress regularly using formative assessments and adjust pacing as needed based on classroom data. However, teachers should aim to stay within two weeks of the pacing outlined in the guides to maintain alignment with district-wide goals.

Strategies for Maintaining Effective Pacing:

To maintain effective pacing throughout the year, consider the following strategies:

1. Collaborative Planning (ILC): Encourage subject-level teams to collaborate regularly to review pacing guides, share instructional strategies, and discuss adjustments based on student needs.
2. Data-Driven Instruction: Use ongoing assessment data to inform instructional decisions and make necessary adjustments to pacing to support student learning.
3. Professional Development: Provide opportunities for professional development focused on effective instructional practices and strategies for adapting pacing guides to meet the needs of diverse learners.
4. Feedback and Reflection: Encourage teachers to provide feedback on the pacing guides and reflect on their effectiveness in supporting student achievement. This feedback loop is essential for continuous improvement.

* In June, 2025, the 9-12 Math Steering Committee voted to adopt the curricular tool *enVision math* for grades 9-12.
For the 2025-26 school year, enVision should be taught according to the pacing guide. Steering Committee members should collect their feedback on the units using the document linked HERE. DPPD and Steering Committee time will be dedicated to reviewing student artifacts, pacing, and implementation feedback.

Algebra II Pacing Semester 1, 2025

Week	Dates	Lesson(s) **Teachers are encouraged to utilize lesson quizzes provided by enVision.*	Standards
1	August 20-22	Welcome back: Establishing Routines and Procedures, 12.1: Probability Events, 12.2: Conditional Probability	HSS.CP.A.1, HSS.CP.A.2, HSS.CP.A.3, HSS.CP.A.4, HSS.CP.A.5, HSS.CP.B.6, HSS.CP.B.7, HSS.CP.B.8 (+) , MP.1, MP.2, MP.3, MP.7
2	August 25-28	12.1 cont. & 12.2 cont., Mathematical Modeling Topic 12, Topic 1 Linear Functions and Systems: Readiness Assessment/Skills Review and Practice	HSS.CP.A.1, HSS.CP.A.2, HSS.CP.A.3, HSS.CP.A.4, HSS.CP.A.5, HSS.CP.B.6, HSS.CP.B.7, HSS.CP.B.8 (+), HSS.CP.A.1, HSS.CP.A.2, MP.1, MP.2, MP.3, MP.4, MP.7
3	September 2-5	1.1: Key Features of Functions, 1.2: Transformations and Functions, 1.3: Piecewise-Defined Functions	HSF.IF.B.4, HSF.IF.B.6, HSF.IF.C.7,HSF.BF.B5, MP.3, MP.4, MP.5, MP.6, MP.7
4	September 8-12	1.4: Arithmetic Sequences and Series, 1.5: Solving Equations and Inequalities by Graphing, 1.6: Linear Systems	HSF.BF.B.3, HSF.IF.B.5, HSF.IF.C.7.B, HSF.LE.A.2, HSF.IF.A.3, HSF.BF.A.1.A, HSF.BF.A.2, HSF.LE.A.A.2, HSF.BFA.A.1, MP.1, MP.2, MP.3, MP.4, MP.5, MP.7
5	September 15-19	Mathematical Modeling Topic 1, Topic 1 Linear Functions and Systems: Assessment	HSF.IF.A.3, HSF.BF.A.1.A, HSF.BF.A.2, HSF.LE.A.A.2, HSF.BFA.A.1, HSA. CED.A.1, HSA.REI.D.11, HSA.CED.A.3, HSA.REI.C.6, MP.4
6	September 22-25	Topic 2 Quadratic Functions and Equations: Readiness Assessment/Skills Review and Practice, 2.1: Vertex Form of a Quadratic Function	HSA.CED.A.3, HSA.REI.C.6, MP.1, MP.3, MP.7
7	September 29-October 3	2.2: Standard Form of a Quadratic Function, 2.3: Factored Form of a Quadratic Function	HSA.CED.A.2, HSA.CED.A.3, HSA.REI.C.6, MP.1, MP.3, MP.4, MP.7, MP.8
8	October 6-10	Mathematical Modeling Topic 2, 2.4: Complex Numbers and Operations	HSA.CED.A.2, HSF.IF.B.4, HSS.ID.B.6.A, HSF.IF.C.7.A, HSS.ID.B..6, HSA.SSE.A.2, HSA.SSE.BE.A, HSA.APR.B.3, MP.3, MP.5, MP.6, MP.7
9	October 13-16	2.5: Completing the Square, 2.6: The Quadratic Formula	HSA.SSE.A.2, HSA.SSE.BE.A, HSA.APR.B.3, HSN.CN.A.1, HSN.CN.A.2, HSN.CN.A.3 (+), MP.3, MP.4, MP.7

10	October 20-24	2.7: Linear-Quadratic Systems, Topic 2 Quadratic Functions and Equations: Assessment	HSF.IF.B.4, HSF.BF.A.1.A, HSA.CED.A.2, HSN.CN.C.7, HSA.REI.B.4, HSA.REI.B.4.A, HSA.REI.B.4.B, HSA.REI.D.11, HSA.REI.D.12, MP.3, MP.4, MP.7
11	October 27-31	Topic 3 Polynomial Functions: Readiness Assessment/Skills Review and Practice, 3.1: Graphing Polynomial Functions	HSF.IF.B.4, HSF.IF.B.6, HSF.IF.C.7.C, MP.2, MP.5, MP.7
12	November 3-7	3.2: Adding, Subtracting, and Multiplying Polynomials, 3.3: Polynomial Identities	HSA.APR.A.1, HSF.IF.C.9, HSF.BF.A.1.B, MP.2, MP.3, MP.7
13	November 10-14	3.4: Dividing Polynomials, 3.5: Zeros of Polynomial Functions	HSA.SSE.A.1.A, HSA.SSE.A.2, HSA.APR.C.4, HSA.APR.C.5 (+), HSA.SSE.A.1.B, HSA.APR.A.1, HSA.SSE.A.2, HSA.APR.B.2, HSA.APR.D.6, MP.1, MP.2, MP.6, MP.7, MP.8
14	November 17-21	3.6: Theorems About Roots of Polynomial Equations, 3.7: Transformations of Polynomial Functions	HSA.SSE.A.2, HSA.APR.B.E, HSF.IF.C.7.C HSA.APR.A.1, HAS.APR.B.2, HSA.REI.D.12, HSF.IF.B.4, HSA.APR.A.1, HSF.BF.B.3, MP.2, MP.3, MP.5, MP.7, MP.8
15	December 1-5	Mathematical Modeling Topic 3, Topic 3 Polynomial Functions: Assessment	HSA.CED.A.2, HSF.IF.C.7.D (+), HSF.BF.B3, MP.4
16	December 8-12	Topic 4 Rational Functions: Readiness Assessment/Skills Review and Practice, 4.1: Inverse Variation and the Reciprocal Function	HSA.APR.D.6, HSF.IF.B.4, HSF.IF.C.7.D (+), HSA.SSE.A.1.A, HSA.SSE.A.1.B, HSA.CED.A.2, HSA.REI.D.11, HSF.BF.A.1, MP.1, MP.3, MP.8
17	December 15-19	4.2: Graphing Rational Functions, 4.3: Multiplying and Dividing Rational Expressions	HSA.SSE.A.2, HSA.APR.D.6, HSA.APR.D.7(+), MP.2, MP.3, MP.6, MP.7
18	January 5-9	4.4: Adding and Subtracting Rational Expressions, 4.5: Solving Rational Equations	HSA.SSE.A.2, HSA.APR.D.7 (+), HSA.CED.A.1, HSA.REI.A.2, MP.1, MP.2, MP.5, MP.7, MP.8
19	January 12-16	Mathematical Modeling Topic 4, Topic 4 Rational Functions: Assessment	HSA.CED.A.1, HSA.REI.A.1, HSA.REI.B.3, MP.4
20	January 20-23 Final Exam Week	Algebra 2 Common Assessment (will be supplied by department chair/team leader)	

Algebra II Pacing Semester 2, 2026

Week	Dates	Lesson *Teachers are encouraged to utilize lesson quizzes provided by enVision.*	Standards
1	January 26-29	Topic 5 Rational Exponents and Radical Functions: Readiness Assessment/Skills Review and Practice, 5.1: nth Roots, Radicals, and Rational Exponents	HSN.RN.A.1, HSN.RN.A.2, HSA.CED.A.1, HSA.REI.A.1 MP.1, MP.4, MP.5
2	February 2-6	5.2: Properties of Exponents and Radicals, 5.3: Graphing Radical Functions	HSN.RN.A.1, HSN.RN.A.2, HSA.CED.A.1, HSA.REI.A.1, HSA.RN.A.2, HSA.SSE.A.2,HSA.SSE.A.1.A, HSA, SSSE.A.1.B, MP.2, MP.4, MP.7
3	February 9-12	5.4: Solving Radical Equations, Mathematical Modeling Topic 5	HSF.IF.C.7.B, HSF.BF.B.3, HSF.IF.B.4, HSF.IF.C.6, HSA.REI.A.1, HSA.REI.A.2, HSA.CED.A.3, HSA.CED.A.4, HSA.CED.A.1, HSA.CED.A.4, HSA.REI.A.2, MP.1, MP.3, MP.4, MP.7
4	February 17-20	5.5: Function Operations, 5.6: Inverse Relations and Functions, Topic 5 Rational Exponents and Radical Functions: Assessment	HSF.BF.A.1.B, HSF.BF.A.1.C (+), HSF.BF.B.4.A, HSF.BF.B.4.B (+), HSB.BF.B.4.C (+), HSF.BF.4.D (+), HSA.CED.A.4, MP.1, MP.2, MP.6, MP.7
5	February 23-27	Topic 6 Exponential and Logarithmic Functions: Readiness Assessment/Skills Review and Practice, 6.1: Key Features of Exponential Functions	HSF.IF.B.4, HSF.IF.C.7.E, HSF.BF.B.3, HSF.LE.A.2, HSF.LE.B.5, HSF.IF.B.5, HSF.IF.C.9, MP.2, MP.4, MP.7
6	March 2-6	6.2: Exponential Models, Mathematical Modeling Topic 6, 6.3: Logarithms	HSA.SSE.B.E.C, HSF.IF.C.8, HSF.IF.C.8.B, HSF.LE.A.2, HSA.SSE.A.1.B, HSA.SSE.A.2, HSS.IS.B.6.A, HSF.LE.B.5, HSS.ID.B.6.A, HSF.BF.B.4.A, HSF.BF.B5, HSF,LE.A.4, HSF.IF.C.8.B, MP.1, MP.2, MP.4, MP.7
7	March 9-13	6.4: Logarithmic Functions, 6.5: Properties of Logarithms, 6.6: Exponential and Logarithmic Equations	HSF.IFC.7.E, HSF.BF.B.3, HSF.BF.B.4, HSF.BF.B.4.A, HSF.BF.B.4.C (+), HSF.IF.B.5, HSF.BF.B.5 (+), HSA.SSE.A.2, HSA.REI.A.1, HSF.LE.A.4, HSA.CED.A.4, MP.1, MP.2, MP.3, MP.4, MP.7
8	March 16–19	6.7: Geometric Sequences and Series, Topic 6 Exponential and Logarithmic Functions: Assessment	HSA.SSE.A.2, HSA.CED.A.1, HSA.REI.A.1, HSF.LE.A.4, HSF.BF.5 (+), HSA.SSE.B.4, HSF.IF.A.3, HSF.BF.A.1, HSF.BF.A.1.A, HSF.BF.A.2, HSF.LE.A.2, MP.2, MP.5, MP.7
9	March 23-26	Topic 7 Trigonometric Functions: Readiness Assessment/Skills Review and Practice, 7.1: Angles and the Unit Circle	HSF.TF.A.1, HSF.TF.A.2, MP.1, MP.2, MP.5
10	April 6-10	7.2: Evaluating Trigonometric Functions,	HSF.TF.A.1, HSF.TF.A.2, MP.1, MP.2,

		7.3: Graphing Sine and Cosine Functions	MP.3, MP.4, MP.7
11	April 13-17 SAT Week	Mathematical Modeling Topic 7, SAT Review, 7.4: Translating Trigonometric Equations	HSF.TF.A.1, HSF.TF.A.3 (+), HSF.TF.C.8, MP.3, MP.7, MP.8
12	April 20-23	7.5: Graphing Other Trigonometric Functions, Topic 7 Trigonometric Functions: Assessment	HSF.IF.C.7.3, HSF.TF.A.4(+), HSF.TF.B.5, HSF.IF.B.4, HSF.IF.C.9, HSF.BF.B.3, HSF.BF.B.3, HSF.TF.B.5, HSF.BF.A.1.A, MP.1, MP.7, MP.8
13	April 27-May 1	Topic 9 Conic Sections: Readiness Assessment/Skills Review and Practice, 9.1: Parabolas	HSF.IF.B.4, HSF.BF.B.3, HSF.TF.B.5, HSA.SSE.A.2, HSF.IF.C.7.E, MP.2, MP.7, MP.8
14	May 4-7	9.2: Circles, 9.3: Ellipses, 9.4:Hyperbolas	HSG.GPE.A.2, HSA.SSE.A.2, HSA.SSE.B.3, MP.1, MP.2, MP.4, MP.7, MP.8
15	May 11-15	Mathematical Modeling Topic 9, Topic 9 Conic Sections: Assessment	HSA.REI.C.7, HSG.GPE.A.1, HSA.SSE.B.3, HSA.GPE.A.3(+), HSA.SSE.A.2, HSA.SSE.B.3, MP.4
16	May 18-21	Topic 8 (Trigonometric Equations and Identities) ,10 (Matrices), and/or 11 (Data Analysis and Statistics) Readiness Assessment/ Skills Review *Recommended Lessons* 8.3: Law of Sines and Law of Cosines, 11.1: Statistical Questions and Variables, 11.2: Statistical Studies and Sampling Methods	HSG.GPE.A.3(+), HSA.SSE.A.2, HSA.SSE.B.3, HSF.TF.A.3(+), HSF.TF.A.4.(+), HSF.TF.C.9(+)
17	May 26-29	CONTINUED FROM PREVIOUS WEEK Topic 8 (Trigonometric Equations and Identities) ,10 (Matrices), and/or 11 (Data Analysis and Statistics) Readiness Assessment/ Skills Review *Recommended Lessons* 8.3: Law of Sines and Law of Cosines, 11.1: Statistical Questions and Variables, 11.2: Statistical Studies and Sampling Methods	HSS.IC.A.1, HSS.IC.A.1, HSS.IC.B.3
18	June 1-5 Final Exam Week	Algebra 2 Common Assessment (will be supplied by department chair/team leader)	