Algebra 2 Honors (Math Nation) Curriculum Overview 2024-2025

Topics	Lessons in Textbook	B.E.S.T. Benchmarks
Quarter 1		
Unit 1: Function Foundations	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10	AR.4.4, AR.9.10, F.1.1, F.1.7, F.2.3
Unit 2: Polynomials and the Complex Number System	2.1, 2.2, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.12	NSO.2.1, AR.1.8, AR.3.4, AR.1.11
Quarter 2		
Unit 3: Modeling with Quadratic Equations and Functions	3.1, 3.2, 3.3, 3.5, 3.7	AR.3.2, AR.3.8
Unit 4: Polynomial Functions	4.1, 4.2, 4.3, 4.4, 4.5, 4.6	AR.6.1, AR.6.5, F.1.9
Unit 5: Operations with Polynomial Expressions	5.6, 5.7, 5.5, 5.10, 5.11	AR.1.3, AR.1.5, AR.6.2, F.3.4
Unit 6: Radical Expressions, Equations, and Functions	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.8, 6.9, 6.11, 6.12	NSO.1.3, NSO.1.5, AR.7.1, AR.7.2, AR.7.3
Quarter 3		
Unit 6: Radical Expressions, Equations, and Functions (Continued)	6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.8, 6.9, 6.11, 6.12	NSO.1.3, NSO.1.5, AR.7.1, AR.7.2, AR.7.3
Unit 7: Exponential Relationships with Financial Applications	7.1, 7.2, 7.5, 7.6	AR.1.1, AR.5.5, AR.10.1, AR.10.2, FL.3.1, FL.3.2, FL.3.4
Unit 8: Modeling with Exponential Functions Unit 9: Inverses and Logarithms	8.1, 8.2, 8.4, 9.1, 9.2, 9.3, 9.4, 9.6, 9.8, 9.10, 9.11	NSO.1.6, NSO.1.7, AR.1.1, AR.5.2, AR.5.7, AR.5.8, AR.5.9, F.3.6, F.3.7, DP.2.9
Factoring and Solving Review/SAT School Day		
Quarter 4		
Unit 10: Rational Expressions and Functions Unit 11: Rational Equations and Functions	10.1, 10.2, 10.4, 10.5, 10.6, 10.7, 11.4	AR.1.9, AR.8.1, AR.8.2
Unit 12: Systems of Equations and Transformations Unit 13: Inequalities	12.1, 12.2, 12.3, 12.4, 12.6, 13.4	AR.3.10, AR.9.2, AR.9.3, F.3.2
Unit 14: Probability	14.H1, 14.H2, 14.H3, 14.H4, 14.H5, 14.H6	DP.4.1, DP.4.2, DP.4.3, DP.4.4, DP.4.9, DP4.10
Unit 15: Matrices	15.H1, 15.H2, 15.H3, 15.H4	NSO.4.1, NSO.4.2, NSO.4.3, NSO.4.4
CDF Review, Test, and End of Year		

*Honors only benchmarks are highlighted