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Publisher Resource:

    Pearson (use your active directory)

Other Course Supplemental Resources:

    Khan Academy (Algebra 2; does not support Internet Explorer)

    Math Nation (Clever – use your active directory; does not support Internet Explorer)

    Math Planet (Algebra 2)

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 12 – Oct 11	1 8/12 – 8/16	• Policies & Procedures • 1-1 Key Features of Functions • 1-2 Transformations of Functions	
	2 8/19 – 8/23	• 1-3 Piecewise-Defined Functions • Assessment • 1-4 Arithmetic Sequences and Series	
	3 8/26 – 8/30	• 1-4 Arithmetic Sequences and Series • Assessment • 1-5 Solving Equations and Inequalities by Graphing	
	4 9/3 – 9/6	• Labor Day Holiday – 9/2 • 1-5 Solving Equations and Inequalities by Graphing • 1-6 Linear Systems • Assessment	
	5 9/9 – 9/13	• Topic 1 Assessment • 2-1 Vertex Form of a Quadratic Function • 2-2 Standard Form of a Quadratic Function	
	6 9/16 – 9/20	• 2-2 Standard Form of a Quadratic Function • 2-3 Factored Form of a Quadratic Function • Assessment	
	7 9/23 – 9/27	• 2-4 Complex Numbers and Operations • 2-5 Completing the Square	
	8 9/30 – 10/4	• 2-5 Completing the Square • 2-6 The Quadratic Formula • Assessment • 2-8 Linear-Quadratic Systems	
	9 10/7 – 10/11	• 2-7 Geometric Properties of Parabolas • Topic 2 Assessment	

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Algebra 2 Honors   2019-2020

	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 15 – Dec 20	1 10/15 – 10/18	• PSAT • 3-1 Graphing Polynomial Functions • 3-2 Adding, Subtracting, and Multiplying Polynomials	
	2 10/21 – 10/25	• 3-2 Adding, Subtracting, and Multiplying Polynomials • 3-3 Polynomial Identities • 3-4 Dividing Polynomials	
	3 10/28 – 11/1	• Assessment • 3-5 Zeros of Polynomial Functions • 3-6 Theorems about Roots of Polynomial Equations	
	4 11/4 – 11/8	• 3-6 Theorems about Roots of Polynomial Equations • 3-7 Transformations of Polynomial Functions • Topic 3 Assessment	
	5 11/12 – 11/15	• Veterans Day 11/11 • 4-1 Inverse Variation and the Reciprocal Function • 4-2 Graphing Rational Functions	
	6 11/18 – 11/22	• 4-3 Multiplying and Dividing Rational Expressions • Assessment • 4-4 Adding and Subtracting Rational Expressions	
	7 11/25 – 11/26	• 4-4 Adding and Subtracting Rational Expressions • Thanksgiving Holiday 11/27 - 11/29	
	8 12/2 – 12/6	• 4-5 Solving Rational Equations • Topic 4 Assessment	
	9 12/9 – 12/13	• 5-1 nth Roots, Radicals, and Rational Exponents • Standards Review	
	10 12/16 – 12/20	• Standards Review • Midterm Exams	

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	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 6 – Mar 12	1 1/6– 1/10	• 5-1 nth Roots, Radicals, and Rational Exponents • 5-2 Properties of Exponents and Radicals • 5-3 Graphing Radical Functions	
	2 1/13 – 1/17	• 5-4 Solving Radical Equations • Assessment	
	3 1/21 – 1/24	• Martin Luther King Jr. Holiday 1/20 • 5-5 Function Operations • 5-6 Inverse Relations and Functions	
	4 1/27 – 1/30	• Topic 5 Assessment • 6-1 Key Features of Exponential Functions • Teacher Inservice 1/31	
	5 2/3 – 2/7	• 6-1 Key Features of Exponential Functions • 6-2 Exponential Models • 6-6 Exponential Equations only • Assessment	
	6 2/10 – 2/14	• 6-7 Geometric Sequences and Series • Assessment • 6-3 Logarithms	
	7 2/17 – 2/21	• Presidents Day Holiday 2/17 • 6-3 Logarithms • 6-4 Logarithmic Functions • 6-5 Properties of Logarithms	
	8 2/24 – 2/28	• 6-5 Properties of Logarithms • 6-6 Exponential and Logarithmic Equations • Assessment • Topic 6 Assessment	
	9 3/2 – 3/6	• 7-1 Trigonometric Functions and Acute Angles • 7-2 Angles and the Unit Circle	

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	10 3/9 – 3/12	• 7-3 Trigonometric Functions and Real Numbers • Assessment	

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Quarter 4 Mar 23 – May 27	1 3/16 – 3/20	• **SPRING BREAK – NO SCHOOL**	
	2 3/23 – 3/27	• 7-4 Graphing Sine and Cosine Functions • 7-6 Translating Trigonometric Functions	
	3 3/30 – 4/3	• Topic 7 Assessment • 9-1 Probability Events	
	4 4/6 – 4/9	• 9-1 Probability Events • 9-2 Conditional Probability • 9-3 Permutations and Combinations • Holiday 4/10	
	5 4/14 – 4/17	• Holiday 4/13 • 9-3 Permutations and Combinations • Assessment • Standards Review/District Exams	
	6 4/20 – 4/24	• Standards Review/District Exams	
	7 4/27 – 5/1	• Standards Review/District Exams	
	8 5/4 – 5/8	• 9-4 Probability Distributions/9-6 Probability and Decision Making • 9-5 Expected Value/9-6 Probability and Decision Making • Topic 9 Assessment • 8-1 Statistical Questions and Variables/8-2 Statistical Studies and Sampling Methods • 8-3 Data Distributions • 8-4 Normal Distributions	
	9 5/11 – 5/15	• 8-4 Normal Distributions • Assessment • 8-5 Margin of Error	

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10 5/18 – 5/22	• 8-6 Testing Hypotheses from Experiments • Topic 8 Assessment (given during Final Exam week)	
11 5/25 – 5/27	• Topic 8 Assessment (given during Final Exam week)	

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