

Math 11 Curriculum Map

Standards	Content	Skills/Practices	Materials/ Resources	Assessments (All) Daily/Weekly/ Benchmarks	Timeline (Months/Weeks /Days)
A-APR.B A-APR.D A-SSE	Factoring and solving quadratic equations Rational Expressions: Simplify, add, subtract, multiply, and divide	Required Skills: Factoring	Calculators Teacher generated material	Homework Quizzes	September
N-CN.C A-REI.B	Rational Expressions (continued): Solving Fractional equations Irrational vs. Real numbers: Radicals ImaginaryNumbers Non factorable quadratic equations- quadratic formula/completing the square	Required Skills: Factoring Simplifying radicals	Calculators Teacher generated material	Homework Quizzes Quarter 1 Exam	October

<p>A.REI A-SSE N-RN</p>	<p>Complex Fractions</p> <p>Operations with radicals</p> <p>Solving equations involving radicals</p> <p>Exponent laws</p>	<p>Required Skills: Simplifying radicals</p>	<p>Calculators Teacher generated material</p>	<p>Homework Quizzes</p>	<p>November</p>
<p>A-SSE A-CED N-RN</p>	<p>Working with exponents: Fraction and negative exponents included</p> <p>Solving equations with rational exponents</p> <p>Change of base rule</p>	<p>Required Skills: Working with exponents</p>	<p>Calculators Teacher generated material</p>	<p>Homework Quizzes</p>	<p>December</p>
<p>F.BF.B.5a F-LE.A.4 A-REI.c.7b</p>	<p>Exponential growth and decay</p> <p>Basic manipulation of logarithmic expressions</p> <p>Solving logarithmic equations</p>	<p>Required Skills: Logarithm rules</p>	<p>Calculators Teacher generated material</p>	<p>Homework Quizzes Midterm Exam</p>	<p>January</p>

<p>A-REI.c.7b A-REI.C.6a A-REI.c.7a</p>	<p>Solving systems of equations by substitution and elimination.</p> <p>Solve 3 equations and 3 unknowns</p> <p>Quadratic and linear systems by graphing. With and without a calculator</p> <p>Shortcuts to graphing a parabola</p> <p>Vertex form of a quadratic</p> <p>Absolute value function</p>	<p>Required Skills: Equation solving skills</p> <p>Basic graphing skills</p>	<p>Calculators Teacher generated material</p>	<p>Homework Quizzes</p>	<p>February</p>
<p>F-IF.A.3 F-IF.B.4 F-BF.B.4 F-BF.B.4a F-BF.B.3a F-TR.A.1</p>	<p>Functions: Function notation Composition of functions Inverse functions Basic transformations of functions</p> <p>Trigonometry: Coterminal angles</p>	<p>Required Skills: Basic algebra skills</p> <p>Trigonometry</p>	<p>Calculators Teacher generated material</p>	<p>Homework Quizzes</p>	<p>March</p>

	Reference angles Sin, Cos, and Tan Special Trig values				
F-TF.A.1 F-TF.A.2 F-TF.A.4 F-BF.B.3b	Continued trig work with special angles Radian measure Evaluate trig functions in degrees and radians Trigonometry Graphs	Required Skills: Basic algebra skills Trigonometry	Calculators Teacher generated material	Homework Quizzes	April
F-TF.A.4 F-BF.B.3b F-TF.B.5	Trig Graphing Practical application of trig graphs Solving linear trig equations Solving quadratic trig equations Law of Sines	Required Skills: Basic algebra skills Trigonometry	Calculators Teacher generated material	Homework Quizzes	May
	Final Exam Review		Calculators	Final Exam	June

			Teacher generated material		
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