Meridian District #15 Curriculum Map



Teacher Name: Gatchel

Grade: 10/11

Subject Area: Algebra II



Month	Topic/Content	Skill	Standard	Instruction/Resources	Assessments
Month Aug/ Sept	Topic/Content Equations and Inequalities Linear Functions and Systems	Skill Solving Equations Absolute Value Equations Solving Inequalities Absolute Value Inequalities Relations vs. Functions Domain and Range Evaluating Functions Linear - Standard Form Slope-Intercept Form Graphing Linear Functions X and Y Intercepts Point-Slope Form Two Points (Linear) Applications	Standard A.CED.1 A.CED.2 A.CED.3 A.CED.4 A.REI.1 A.REI.3 A.REI.5 A.REI.6 A.REI.11 A.SSE.1b A.SSE.2 F.IF.1 F.IF.2 F.IF.4 F.IF.5 F.IF.6 F.IF.7a F.IF.7b F.LE.2 S.ID.6a	Instruction/Resources All Things Algebra Deltamath IXL	Assessments Quiz Test Assignments/In Class Work
		 Solve Systems: Graphing Solve Systems: Substitutions Solve Systems: Elimination Solve 3 Variable Systems Applications 	S.ID.6c		

		Linear InequalitiesSolve Systems of Linear Inequalities			
Oct	Parent Functions and Transformations	 Linear Inequalities Solve Systems of Linear Inequalities Piecewise Functions Graphing Power Functions Parent Functions and Transformations Vertex Form Absolute Value Function Standard Form Quadratics and Inequalities Vertex Form Quadratics and Inequalities End Behavior (and Increasing /decreasing intervals Families Review 	A.CED.2 A.CED.3 A.REI.12 A.SSE.1a A.SSE1b F.BF.1b F.BF.3 F,IF.2 F.IF.4 F.IF.5 F.IF.7a F.IF.7b F.IF.7b	All Things Algebra Deltamath Puzzle Books Faceing Math IXL	Quiz Test Assignments/In Class Work
Nov	Quadratic Equations and Complex Numbers	 Solving Quadratics by Graphing Solving Quadratics by Factoring Solving Quadratics by Square Roots 	A.CED.1 A.CED.2 A.REI.4b A.SSE.1 A.SSE.2 A.SSE.3a F.IF.4 F.IF.5 F.IF.5	All Things Algebra Deltamath Puzzle Books Faceing Math IXL	Quiz Test Assignments/In Class Work

			F.IF.9		
Dec	Quadratic Equations and Complex Numbers	 Solving Quadratics by Quadratic Formula Discriminants Quadratic Applications 	A.CED.1 A.CED.4 A.SSE.3 A.REI.1b A.REI.4 A.REI.4a A.REI.4b F.IF.8 F.LE.5 N.CN.7 N.CN.8 S.ID.6a	All Things Algebra Deltamath Faceing Math IXL	Quiz Test Assignments/In Class Work
Jan	Polynomial Functions	 Exponent Rules Classifying Polynomials Operations with Polynomials Factoring Polynomials Graphing Polynomial Functions Roots, Zeros, Multiplicities Solving Polynomials by Factoring Dividing Polynomials Remainder Theorem Function Operations and Compositions of Functions 	A.APR.2 A.APR.6 A.CED.1 A.SSE.1b A.SSE.2 F.BF.1b F.BF.1c F.IF.4 F.IF.5 F.IF.7c F.IF.9	All Things Algebra Deltamath IXL	Quiz Test Assignments/In Class Work
Feb	Radical Functions	Simplifying RadicalsConverting between Radical and	A.APR.6 A.APR.7 A.CED.2	All Things Algebra Deltamath Puzzle Books	Quiz Test Assignments/In

	Rational Functions	Exponential Form Add, Subtract, Multiply Radicals Dividing and Rationalizing Radicals Solving Radical Equations Graphing Square and Cube Root Functions Inverse Functions Simplifying Rational Expressions Multiply/Divide Rational Expressions Add/Subtract Rational Expressions Complex Fractions	A.REI.2 A.REI.11 A.SSE.2 A.SSE.3c F.BF.3 F.BF.4 F.IF.5 F.IF.5 P.IF.7b F.IF.9 N.RN.1 N.RN.2	IXL	Class Work
March	Probability	 Rational Expression Applications Graphing Reciprocal Functions Graphing Rational Functions Solving Rational Equations Direct, Inverse, Joint, Combined Variation Permutations and Combinations Theoretical Probability, Independent and Dependent Events 	A.APR.5 A.APR.7 A.CED.1 A.CED.2 A.CED.3 A.REI.1 A.REI.2 A.REI.11 F.BF.3 F.IF.5 F.IF.5 F.IF.7 F.IF.9 S.CP.2 S.CP.2 S.CP.4 S.CP.5	All Things Algebra Deltamath IXL Puzzle Books	Quiz Test Assignments/In Class Work

	Statistics	 Conditional Probability Binomial Theorem, Binomial Probability Measures of Center and Variation Normal Distribution Curve 	S.CP.6 S.CP.9 S.IC.4 S.ID.2 S.ID.4 S.ID.5		
April	Statistics Series and Sequences	 Z-Scores, Standard Normal Distribution, Probability Under the Curve Introduction to Sequences, Series, and Notation Arithmetic Sequences and Series Geometric Sequences Geometric Series Infinite Geometric Series 	A.SSE.4 F.BF.2 F.IF.3 F.LE.2 S.ID.4	All Things Algebra Deltamath IXL	Quiz Test Assignments/In Class Work
May	Exponential and Logarithmic Functions	 Solving Exponential Equations Converting Exponential/Logarith mic Form Evaluating Logarithms Change of Base Formula Condensing and 	A.CED.1 A.CED.2 A.REI.11 A.SSE.1 A.SSE.2 A.SSE.3 F.BF.3 F.BF.4 F.IF.4	All Things Algebra Deltamath IXL	Quiz Test Assignments/In Class Work

	Expanding Logarithms Graphing Exponential and Logarithmic Functions	F.IF.7e F.IF.8b F.IF.9 F.LE.3 F.LE.4 F.LE.5		
--	---	--	--	--