

High School Math Overview



Cross Content Connections - First Nine weeks

Algebra I		Algebra II		Algebra II Honors		Geometry	
Algebra I Introduction	3 weeks	Algebra I Review	3 weeks	Algebra I Review	3 weeks	Basics of Geometry	3 weeks
Properties of Real Numbers	3 weeks	Functions	3 weeks	Functions	3 weeks	Logic	3 weeks
Solving Linear Equations	3 weeks	Linear Systems	3 weeks	Linear Systems	3 weeks	Parallel and Perpendicular Lines	3 weeks

Cross Content Connections - Second Nine weeks

Algebra I		Algebra II		Algebra II Honors		Geometry	
Graphing Linear Equations and Functions	3 weeks	Quadratics	3 weeks	Matrices	3 weeks	Congruent Triangles	3 weeks
Writing Linear Equations	2 weeks	Polynomials	3 weeks	Quadratics	3 weeks	Properties of Triangles	3 weeks
Linear Inequalities	2 weeks						
System of Equations/Inequalities	2 weeks	Exponents and Radicals	3 weeks	Polynomials	3 weeks	Quadrilaterals	3 weeks

Cross Content Connections - Third Nine weeks

Algebra I		Algebra II		Algebra II Honors		Geometry	
Exponents and Exponential Functions	9 weeks	Exponential and Logarithmic Functions	4.5 weeks	Exponents and Radicals	3 weeks	Transformations	3 weeks
				Exponential and Logarithmic Functions	3 weeks	Similarity	3 weeks
		Rational Expressions and Functions	4.5 weeks	Rational Expressions and Functions	3 weeks	Right Triangles and Trigonometry	3 weeks

Cross Content Connections - Fourth Nine weeks

Algebra I		Algebra II		Algebra II Honors		Geometry	
Quadratic Equations and Functions	4.5 weeks	Conics	4.5 weeks	Conics	4 weeks	Areas of Polygons and Circles	3 weeks
Polynomials and Factoring	4.5 weeks	Sequence and Series	4.5 weeks	Sequence and Series	5 weeks	Surface Area and Volume	3 weeks
		Matrices	Optional			Circles	3 weeks

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Cross Content Connections - First Nine weeks

Math Tech I		Math Tech II		Math Tech III		Math Tech I	
Algebra I Introduction	3 weeks	Systems of Equations/Inequalities	4 weeks	Basics of Geometry	3 weeks	Algebra I Introduction	3 weeks
Properties of Real Numbers	6 weeks	Exponents and Exponential Functions	5 weeks	Segments and Angles	3 weeks	Properties of Real Numbers	6 weeks
				Parallel and Perpendicular Lines	3 weeks		

Cross Content Connections - Second Nine weeks

Math Tech I		Math Tech II		Math Tech III		Math Tech I	
Solving Linear Equations	9 weeks	Quadratic Equations and Functions	9 weeks	Triangle Relationships	3 weeks	Solving Linear Equations	9 weeks
				Congruent Triangles	3 weeks		
				Quadrilaterals	3 weeks		

Cross Content Connections - Third Nine weeks

Math Tech I		Math Tech II		Math Tech III		Math Tech I	
Graphing Linear Equations and Functions	4.5 weeks	Polynomials and Factoring	9 weeks	Similarity	3 weeks	Graphing Linear Equations and Functions	4.5 weeks
Writing Linear Equations	4.5 weeks			Polygons and Areas	3 weeks	Writing Linear Equations	4.5 weeks
				Surface Area and Volume	3 weeks		

Cross Content Connections - Fourth Nine weeks

Math Tech I		Math Tech II		Math Tech III		Math Tech I	
Linear Inequalities	9 weeks	Proportions, Direct and Inverse Relations, Square Roots	9 weeks	Right Triangles and Trigonometry	3 weeks	Linear Inequalities	9 weeks
				Circles	3 weeks		
				Transformations	3 weeks		

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Cross Content Connections - First Nine weeks

		Probability & Statistics		Pre Calculus		Pre Calculus (Easley Pilot 2009-2010)	
		The Nature of Probability and Statistics	1.5 weeks	Algebraic Review	1 week	Intro to Trig	2 weeks
		Graphing and Frequency Distributions	1.5 weeks	Introduction to Functions	4 weeks	Graphing Trig Functions	2 weeks
		Data Description	3 weeks			Trigonometric Identities	3 weeks
		Probability and Counting Rules	3 weeks	Operations on Functions	4 weeks	Trig Equations	2 weeks

Cross Content Connections - Second Nine weeks

		Probability & Statistics		Pre Calculus (Option 2)		Pre Calculus	
		Discrete Probability Distributions	2.5 weeks	Polynomial Functions and Their Zeros	3 weeks	Law of Sines and Cosines	3 weeks
				Solving and Graphing Rational Functions	2 weeks	Polar Coordinates	3 weeks
				Exponential and Logarithmic Functions	2 weeks		
				Sequences and Series	2 weeks	Conic Sections	3 weeks

Cross Content Connections - Third Nine weeks

		Probability & Statistics		Pre Calculus (Option 2)		Pre Calculus	
				Conic Sections	3 weeks	Algebraic Review	1 week
						Introduction to Functions	4 weeks
				Intro to Trig	2 weeks	Operations on Functions	4 weeks
				Graphing Trig Functions	2 weeks		
				Trigonometric Equations	2 weeks		

Cross Content Connections - Fourth Nine weeks

		Probability & Statistics		Pre Calculus (Option 2)		Pre Calculus	
		The Normal Distribution		Trig Identities	3 weeks	Polynomial Functions and Their Zeros	3 weeks
				Law of Sines and Cosines	3 weeks	Solving and Graphing Rational Functions	3 weeks
				Polar Coordinates	3 weeks	Exponential and Logarithmic Functions	3 weeks