Unit Topic or Title, District, Grade Level, Tea	cher Name:	Vocabulary:	Resources: (Text Alignment):	
PreCalculus 1054 Alfred State Unit 1 – Algeb	ra Review and Linear Functions	Linear	PreCalculus Enhanced with	
Assessments			Graphing Utilities Version 5e	
	Prioritized Math Content Target Standards (70%):	Domain	Pearson/Prentice Hall	
Test #1 from Alfred State		Range		
		Line Symmetry		
Nightly graded homework assignment		Point Symmetry		
Questioning during class		Quadratic Formula		
Class Participation		Abscissa		
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		Orumate		
	Non-Prioritized Math Content Target Standards:			
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Digital Mathematical Tools:	Targeted Standards for Mathematical Practice:			
SmartBoard	Solve linear equations Solve quadratic equations Solve rational	equations		
TI 84 Calculators	Discuss domain and range with rational and irrational functions Determine line	e and point symmetry of equations and graphs	S	
TI Smartview Determine slope-intercept, point-slope, and standard form of a linear equation Factor using multiple methods				
Math websites related to each topic Understand the standard and general form of a circle Solve equations involving circles				
Math websites related to each topic	onderstand the standard and general form of a circle solve equations involv	mg en cies		
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	Unit Topic or Title, District, Grade Level, Teac	her Name:	Vocabulary:	Resources: (Text Alignment):
PreCalculus 1054 Alfred State Unit 2 – Function			Modeling	PreCalculus Enhanced with
	Assessments	Prioritized Math Content Target Standards (70%):		Graphing Utilities Version 5e
			Piecewise Function	Pearson/Prentice Hall
	Test #2 from Alfred State		Library of Functions	
	Nightly graded homework assignment		Linear Model	
	Questioning during class		Linear Regression	
	Class Participation		Quadratic Modeling	
			Quadratic Inequalities	
		Non-Prioritized Math Content Target Standards:		
	Digital Mathematical Tools:	Targeted Standards for Mathematical Practice:		
	SmartBoard	Understand the Algebra of Functions Graph Functions Understand the Pro	operties of Functions	
	TI 84 Calculators	Create and draw Piecewise Functions Understand Graphing Transformation Tec	chniques	
	TI Smartview	Construct Functions Model Linear Functions Construct Linear Models	Perform Linear Regressions	
	Math websites related to each topic	Understand the properties of Quadratic Functions Solve Quadratic Inequalities		
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Unit Topic or Title, District, Grade Level, Teac					Vocabularu	R	esources: (Text Alignment):
PreCalculus 1054 Alfred State Unit 3 – Polyno Assessments	omial, Rational, Composite, Inverse, Logari Prioritized Math Content Target Standar		al Functions		Vocabulary:		eCalculus Enhanced with
ASSESSMENTS	Trioritized Macin dontene Tanget Standar	us (, o , ₀).			Polynomial	Gr	aphing Utilities Version 5e arson/Prentice Hall
Test #3 from Alfred State					Rational Function		
Nightly graded homework assignment					Intermediate Value Th	neorem	
Questioning during class					Composite Function		
Class Participation					One-To-One Function		
					Inverse Function		
					Logarithmic Function		
					Exponential Function		
	Non-Prioritized Math Content Target Sta	andards:					
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Digital Mathematical Tools:	Targeted Standards for Mathematical Pr	ractice:					
SmartBoard	Graph a polynomial function by hand and	d on graphing calculat	tor Under	stand domain and	d range of rational functi	ons	
TI 84 Calculators	Solve rational inequalities and graph usi	ing interval notation	Solve	word problems in	nvolving the intermediate	e value theorem	
TI Smartview	Graph and find domain and range of composite functions Graph and find domain and range of one-to-one functions						
Math websites related to each topic	lated to each topic Find inverses of functions and graph Graph and find domain and range of Logarthmic Functions						
	Understand all the rules of logarithms	Solve Exponent	ial and Logari	thmic Equations			
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Unit Topic or Title, District, Grade Level, PreCalculus 1054 Alfred State Unit 4 – Gr		Vocabulary:	Resources: (Text Alignment):
Assessments Test #4 from Alfred State Nightly graded homework assignment Questioning during class Class Participation	Prioritized Math Content Target Standards (70%): Non-Prioritized Math Content Target Standards:	Compound Interest Compounded Continuously Exponential Growth and Decay Newton's Law of Cooling Logistic Function Exponential Curve Fitting Area of a Sector Angular Speed Linear Speed Unit Circle Sinusoidal Curve Fitting	Alignment): PreCalculus Enhanced with Graphing Utilities Version 5e Pearson/Prentice Hall
Digital Mathematical Tools: SmartBoard TI 84 Calculators TI Smartview Math websites related to each topic	Calculate Compound Interest Understand how e is used to calculate interest compound Calculate exponential growth and decay Solve word problems involving growth and decay Solve problems involving logistic functions Solve exponential regression equations Solve Find area of a sector Find angular and linear speed Utilize the unit circle to find transplant of the compound of	ay e equations using Newton's Law of Cooling	
Instructional Calendar			

Unit Topic or Title, District, Grade Level, Teac PreCalculus 1054 Alfred State Unit 5 Trigono Assessments Test #5 from Alfred State Nightly graded homework assignment Questioning during class Class Participation	cher Name: ometry, Inverse Trig Functions, Trig Identities Prioritized Math Content Target Standards (70%): Non-Prioritized Math Content Target Standards:	Law of Sines Law of Cosines Double Angle Half Angle	Resources: (Text Alignment): PreCalculus Enhanced with Graphing Utilities Version 5e Pearson/Prentice Hall
Digital Mathematical Tools: SmartBoard TI 84 Calculators TI Smartview Math websites related to each topic	Solve Inverse Trigonometric Equations Solve increasingly complex to Solve Trigonometric Equations Solve equations using Double and H. Solve Triangles using Law of Cosines Find the Area of any Triangle		
Instructional Calendar			