## Jane Long Academy Lesson Plan Template with Unpacking the Standards

2015-2016

Teach	ners: Ngoma B A: Pre-C	Calc Fall 2015	Lesson Plan Week of:	Lesson Plan Week of: October 11 <sup>th</sup> (Week 8)	
		Monday-12 <sup>th</sup> . & Tuesday- 13 <sup>th</sup> .	Wednesday- 14 <sup>th</sup> . & Thursday-14 <sup>th</sup> .	Friday- 16 <sup>th</sup> .	
Pre-Planning: Unpacking the Standards	<b>TEKS:</b> (R) - Readiness Standard	PC.3E, PC.4A, PC.2I, PC.2"O", PC. 2F and PC.2H, PC.2E	PC.3E, PC.4A, PC.2I, PC.2"O", PC. 2F and PC.2H, PC.2E	No Quiz but Independent studies day chapter 4, Logs and Exponents. Turn in take home test Thursday electronically	
	Verb(s) - What verbs define the actions students will need to take when mastering this objective?	Justify, Explain, Solve, create examples, present, elaborate, apply to real life and manipulate scenarios.	Justify, Explain, Solve, create examples, present, elaborate, apply to real life and manipulate scenarios.	No Quiz but Independent studies day chapter 4, Logs and Exponents. Turn in take home test Thursday electronically	
	Concept -What am I teaching? -What do the students need to know?	-See objectives -Students take notes and collaborate.	-See objectives -Students take notes and collaborate.	No Quiz but Independent studies day chapter 4, Logs and Exponents. Turn in take home test Thursday electronically	
	Context Readiness: - Connections from previous grade level. - To what degree will this impact learning two years down the road?	-Six Weeks Review -Algebraic computations -The skills are critical for understanding and developing trigonometric identities.	-Six Weeks Review -Algebraic computations -The skills are critical for understanding and developing trigonometric identities.	No Quiz but Independent studies day chapter 4, Logs and Exponents. Turn in take home test Thursday electronically	
	I will know my students have mastered this standard when they can	I will know my students understand the unit circle, trigonometric graphs and trigonometric properties when they will pass the weekly Quiz at least with an 80%.	I will know my students understand the unit circle, trigonometric graphs and trigonometric properties when they will pass the weekly Quiz at least with an 80%.	No Quiz but Independent studies day chapter 4, Logs and Exponents. Turn in take home test Thursday electronically	
	I will assess the standard by	Weekly Quizzes, test, Projects, POWs & HOWs	Weekly Quizzes, test, Projects, POWs & HOWs	No Quiz but Independent studies day chapter 4, Logs	

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	Vocabulary (Academic and Content)	Trigonometric identity, Period, Amplitude, odd and even functions	Trigonometric identity, Period, even functions	ometric identity, Period, Amplitude, odd and unctions	
	Lesson Topic (Content Objective)	- <b>Unit 4: Inverse of the Trigonometric Functions</b> Students graphically, tabularly, and algebraically analyze the inverse of the trigonometric functions. -Students will graph trigonometric functions and read their properties. <b>Unit 5: Trigonometric Identities</b> Students analyze and transform trigonometric functions and identities	- Unit 4: Inverse of the Trigonometric Functions Students graphically, tabularly, and algebraically analyze the inverse of the trigonometric functions. -Students will graph trigonometric functions and read their properties. Unit 5: Trigonometric Identities Students analyze and transform trigonometric functions and identities		No Quiz but Independent studies day chapter 4, Log and Exponents. Turn in take home test Thursday electronically
	ELPS (Language Objective)	c1C, c3H, c3E, c4K, c4G, c5G, c5B	c1C, c3H, c3E, c4K, c4G, c5G, c	58	c1C, c3H, c3E, c4K, c4G, c5G, c5B
	Engage: Warm-Up/Opening (min)	Warm up list	Warm up list		Notes taking
Lesson Cycle	Explain: Guided Practice (min):	Trig identities page 481, Problem 90 page 483, Page 484 Double angles formulas, Page 485 tan identity, Page 487 half-angle formula and Page 493 Product-to-Sum and Sum-to-Product Formulas	Trig identities page 481, Proble Page 484 Double angles formu identity, Page 487 half-angle fo Product-to-Sum and Sum-to-Pr	Ilas, Page 485 tan ormula and Page 493	No Quiz but Independent studies day chapter 4, Log and Exponents. Turn in take home test Thursday electronically
Lesso	Elaborate: Independent Practice (min):	Exit ticket: copy the identities.	Exit ticket: copy the identities	S.	No Quiz but Independent studies day chapter 4, Log- and Exponents. Turn in take home test Thursday electronically
	Closing ( min.):	Copy formulas and create example	Copy formulas and create exan	nple	Summary of the day
forc	Materials/ Resources:	Notebook, Smartboard, Text book and laptops.	Notebook, Smartboard, Text bo	ook and laptops.	Notebook, Smartboard, Text book and laptops.

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Теас	hers: Ngoma B A: Pre-C	alc Fall 2015	Lesson Plan Week of: October 11 <sup>th</sup> (Week 8)		
	Homework	See HOW and POW of Week 8	See HOW and POW of Week	8	See HOW and POW of Week 8
	and/or ACCOMODATIONS: -Time adjust	<ul> <li>-Included in ELPS list above.</li> <li>-Time adjustment on assignments based on students need.</li> </ul>		-Included in ELPS list above. -Time adjustment on assignments based on students need.	
	-ELL/ ESL -Special Education				students need.

\*All lesson plans are subject to revisions and addendums by teacher.

Unit 5: Trigonometric Identities Students analyze and transform trigonometric functions and identities