Corsica Stickney Curriculum Map						
Subject: Algebra 1		Teacher: Mr. Jason Broughton				
Grade:9 th		Duration: August 2019				
Unit 1 Module 1: Quantitative reasoning						
Lessons: 1.1,1.2,1.3						
Summary of unit:						
Students will be able to model real-world situations and interpret algebraic expressions.						
Stage 1 – Desired Results						
Standards		Essential Questions:				
A DEL1 Evaluin each stop in colving a		How do you solve an equation in one variable?				
simple equation Construct	t a viablo	How can you use rates ratios and proportions to				
argument to justify a solution	n method	solve real-world problems?				
N-O 2 Define appropriate qu	iantities for	How do you use significant digits when reporting				
the nurnose of descriptive r	nodeling	the results of calculations involving				
N 0.2 Choose a level of accuracy		measurement?				
appropriate to limitations of	n	measuremen				
measurement when reporti	ng quantities					
measurement when report	ng quantities					
Language objective	Mathematic	al practices	Integrate mathematical			
		F	practices			
Explain to a partner the	MP.7 Using St	tructure	MP.4 Model the concept of solving			
meaning of each Property			an equation by showing students a			
of Equality.			two-pan balance with equal weight			
			on both sides. Ask students what			
Demonstrate to a partner	MP 2 Reasoning		will happen if you add or subtract			
how to use dimensional	Mi 2 Reasoning		weight on one side only.			
analysis to convert a rate			Demonstrate that adding or			
			removing weights on one side of			
			the scale makes it unbalanced.			
			Then ask students what will			
			happen if you add or subtract the			
Show how to determine	MP.5 Using T	ools	same amount of weight on both			
how many significant		0010	sides of the scale. Demonstrate			
digits to report in the			this. Explain that equations are like			
results of measurement			balances. The two sides must be			
calculations such as			kent equal so the same operation			
finding perimeter and			must be performed on both sides			
area			of the equation			
			of the equation.			
			MP.2 Mathematically proficient			
			students make sense of quantities			
			and their relationships in problem			
			situations. They bring two			
			complementary abilities to bear on			
			problems involving quantitative			
			relationships: the ability to			

			decontextualize—to abstract a		
			given situation and represent it		
			symbolically and manipulate the		
			representing symbols as if they		
			have a life of their own, without		
			necessarily attending to their		
			referents—and the ability to		
			contextualize, to pause as needed		
			during the manipulation process in		
			order to probe into the referents		
			for the symbols involved.		
			Quantitative reasoning entails		
			habits of creating a coherent		
			representation of the problem at		
			hand; considering the units		
			involved; attending to the meaning		
			of quantities, not just how to		
			compute them; and knowing and		
			flexibly using different properties		
			of operations and objects.		
Stage 2 – Assessment Evidence					
Performance Tasks:		Unit Pre-Assessment:			
Homework quizzes, worksh	eet, Tests.	Assign ready-made or customized practice tests			
		to prepare st	udents for high-stakes tests		
Stage 3 – Learning Plan					
Learning Activities: procedures/topics					
Reading and discussing lesson with class.					
Giving students examples to be completed in class.					
Students taking notes and using notes to complete homework assignments.					
Lesson Descriptions					
Lesson 1.1 Colving equations					
Lesson 1.2 Modeling quantities					
Lesson 1.2 modeling quantities					
Lesson 1.5 Reporting with recision and Accuracy					

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