## Corsica Stickney Curriculum Map

Subject: Algebra 1	Teacher: Mr. Jason Broughton
Grade:9 <sup>th</sup>	Duration: Febuary
Unit: Unit 7	
Module 17 Lesson 17.1,17.2,17.3	
Module 18 Lesson 18.1, 18.2, 18.3	

Summary of unit:

students will complete a Math in Careers task by writing and performing operations on several functions based on camp enrollment and expenses. Critical skills include modeling real-world situations and polynomial addition, subtraction, and multiplication.

Stage 1 – Desired Results					
Standards:		Essential Que	Essential Questions:		
A-SSE.A.1a Interpret parts of an expression, such as terms, factors, and coefficients		What are polynomial expressions, and how do you simplify them? How do you add polynomials?			
A-APR.A.1 Understand that polynomials form a system analogous to the integers, namely, they are closed under the		How do you subtract polynomials?			
operations of addition		How can you multiply polynomials by monomials?			
		How do you i	multiply binomials and polynomials?		
		How can you	find special products of binomials?		
Language objective	Mathematical practices		Integrate mathematical practice		
Explain to a partner how to find the degree of a	MP.2 Reasoning		Property is used to simplify		
polynomial.	MP.3 Logic		polynomials. Give an example using simple numbers to		
Explain to a partner how to add two polynomial expressions.	MP.5 Using Tools		demonstrate, such as 5(4) + 3(4) = 4 (5 + 3). Students should recognize that the common factor, 4, can be "taken out" and		
Explain to a partner how to subtract two polynomial expressions.			distributed over the sum of the other two factors.		
Explain to a partner how to use the Product of Powers Property when multiplying monomials.			MP.3, which calls for students to "construct logical arguments." In this lesson, as students learn procedures for subtracting polynomials, they use properties to justify why each step of the		

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Explain to a partner what FOIL means and how you use the FOIL method to multiply two binomials. Explain to a partner what a perfect square trinomial is.			procedure is valid. For example, the Distributive Property allows them to multiply a polynomial by – 1 to change each term to its opposite, and the Commutative and Associative Properties of Addition allow them to rearrange and regroup terms. MP.5 After substituting a value for	
			the variable in a polynomial that models a real-world situation, students can use a graphing calculator to evaluate the result.	
	Stage 2 – As	ssessment Evi	dence	
Performance Tasks: Unit Pre-Asse		essment:		
Homework quizzes, worksh	omework quizzes, worksheet, Tests.		Assign ready-made or customized practice tests to prepare students for high-stakes tests	
X · · · · · · · ·	Stage 3	- Learning Pla	an	
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 Description MODULE 17 Adding and Subtracting Polynomials Lesson 17.1 Understanding Polynomial Expressions				
Lesson 17.2 Adding Polynomial Expressions Lesson 17.3 Subtracting Polynomial Expressions				
Lesson 18.1 Multiplying Polynomials Lesson 18.2 Multiplying Polynomial Expressions by Monomials Lesson 18.3 Special Products of Binomials				