Corsica Stickney Curriculum Map

Subject: Mathematics Grade: 7th Unit 3 Module 7 Lesson 7.1,7.2,7.3	Teacher: Mr. Jason Broughton Duration: December
Summary of unit: Students will be able to use inequalities to solve real-world problems.	
Stage 1 – Desired Results	
Standards: 7.EE.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. 7.EE.4b Solve word problems leading to inequalities of the form px + q > r or px + q < r, where p, q, and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.	Essential Questions: How do you write and solve one-step inequalities? How do you write a two-step inequality? How do you solve a two-step inequality?

Language objective	Mathematical practices	Integrate mathematical practice
Students will explain how to write and solve one-step inequalities. Students will explain how to write a two-step inequality. Students will demonstrate how to solve a two-step inequality.	MP.1 Make sense of problems and persevere in solving them. MP.2 Reason abstractly and quantitatively MP.5 Use appropriate tools strategically.	MP.1 This lesson provides an opportunity to address this Mathematical Practice standard. It calls for students to make sense of problems and persevere in solving them. Students write and solve inequalities to make sense of, and then solve, real-world problems. They make sense of a real-world problem by applying a 4-step problem-solving plan: analyze information, formulate a plan, solve, and justify and evaluate. MP.2 This lesson provides an opportunity to address this Mathematical Practice standard. It calls for students to communicate mathematical ideas using multiple representations, including symbols, diagrams, and language as appropriate. Students use algebra tiles to model two-step inequalities. Then students write

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		two-step inequalities that correspond to word problems. Finally, students analyze word problems to identify the important information and use that information to write a corresponding two-step inequality. MP.5 This lesson provides an opportunity to address this Mathematical Practice standard. It calls for students to select tools, including real objects, manipulatives, paper and pencil, and technology, as appropriate, and techniques, including number sense, as appropriate, to solve problems. Students use algebra tiles to model and solve inequalities. Then students use paper and pencil to solve inequalities and graph their answers on number lines.
Stage 2 – Assessment Evidence		
Performance Tasks: Homework quizzes, worksheet, Tests.	Unit Pre-Assessment: Assign ready-made or customized practice tests to prepare students 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.		

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Lesson Description
MODULE 7 Inequalities Lesson 7.1 Writing and Solving One-Step Inequalities . Lesson 7.2 Writing Two-Step Inequalities. Lesson 7.3 Solving Two-Step Inequalities