Corsica Stickney Curriculum Map

Subject: Mathematics		Teacher: Mr.	Jason Broughton		
Grade: /th		Duration: Fel	oruary		
Unit4					
Module 9 Lesson 9.1,9.2,9.3	,9.4,9.5				
Summary of unit:					
Students will be to apply geometry concepts to solve real-world problems.					
Stage 1 – Desired Results					
Standards:		Essential Que	estions:		
7.RP.2a Decide whether two quantities		How do you find and use the circumference of a			
are in a proportional relationship, e.g., by		circle?			
testing for equivalent ratios in a table.					
		Harry da mary (
/.EE.2 Understand that rewriting an		How do you find the area of a circle?			
problem context can shed light on the		How do you find the area of composite figures?			
problem and how the quantities in it are			r of the second s		
related.		How can you find the surface area of a figure			
		made up of cubes and prisms?			
7.G.4 Know the formulas for the area and					
circumterence of a circle and use them to		How do you find the volume of a figure made of cubos and prisms?			
derivation of the relationsh	derivation of the relationship between		151115:		
the circumference and area	of a circle.				
7.G.6 Solve real-world and mathematical					
problems involving area, volume and					
surface area of two- and thr	ee-				
triangles quadrilaterals no	seu oi				
unangles, quadrilaterals, polygons,					
Language objective	Mathematic	al practices	Integrate mathematical practice		
			B b		
			MP.7 This lesson provides an		
	MP.7 Look for and make		opportunity to address this		
Students will demonstrate	use of structu	ire	Mathematical Practice standard. It		
how to find and use the			calls for students to look for and		
circumference of a circle.			make use of structure. Students		
Students will explain how			measurements of several circular		
to find the area of a circle	MP.4 Model with		objects, reaching the conclusion		
	mathematics		that the relationship between the		
Students will write			circumference and the diameter is		
instructions on how to	MP.5 Use app	propriate	a constant ratio, pi. They then use		
find the area of composite	tools strategi	cally.	this underlying structure to solve		
iiguies					

Students will explain how			diameter, and circumference of a	
to find the surface area of			circle.	
a figure made up of cubes				
and prisms			MP.4 This lesson provides an	
			opportunity to address this	
Students will explain how			Mathematical Practice standard. It	
to find the volume of a			calls for students to apply	
figure made of cubes and			mathematics to problems arising	
prisms.			in everyday life, society, and the	
			workplace. Students develop the	
			formula for the area of a circle by	
			using a parallelogram as a model	
			and then use the formula to find	
			the area of real-life circles in real-	
			life situations. Students also	
			explore the relationship between	
			the circumference of a circle and	
			Its area and then use that	
			this way students have applied	
			mathematics to problems	
			involving the area of circular	
			figures.	
			ngures.	
			MP.5 This lesson provides an	
			opportunity to address this	
			Mathematical Practice standard. It	
			calls for students to select tools,	
			including paper and pencil, and	
			Students find the area of a	
			composito figuro hy dividing it into	
			simpler figures for which they	
			know the area formulas. Then they	
			find the area of each simpler figure	
			and add these areas together to	
			find the total area of the composite	
			figure. They apply this technique to	
			real-life figures. In this way.	
			students have used a technique to	
			solve a problem involving a real-	
			world, composite figure.	
Stage 2 – Assessment Evidence				
Performance Tasks:		Unit Pre-Assessment:		
Homework quizzes, worksheet, 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 Description					
MODULE 9 Circumference, Area, and Volume					
Lesson 9.1 Circumference Lesson 9.2 Area of Circles Lesson 9.3 Area of Composite Figures Lesson 9.4 Solving Surface Area Problem Lesson 9.5 Solving Volume Problems					