

ABSS Math Unit Planning Template

Introduction:

Grade/Course: 9_12 Discrete Mathematics		Suggested Unit Pacing (# of days): 7 days		
Unit Number and Title: Unit 7 Apportionment		Mathematical Practices		
		P1	Make sense of problems and persevere in solving them.	
		P2	Reason abstractly and quantitatively.	
		P3	Construct viable arguments and critique the reasoning of others.	
		P4	Model with mathematics.	
		P5	Use appropriate tools strategically.	
		P6	Attend to precision.	
		P7	Look for and make use of structure.	
P8	Look for and express regularity in repeated reasoning.			
Conceptual Overview				
Essential Understandings				
SCS	The learner will analyze data and apply probability concepts to solve problems.	SCS.9_12.MA.2.03.a	Apportionment.	
Learning Targets	<ul style="list-style-type: none"> • Calculate the ideal ratio and standard quotas for a list of populations • Apportion the 'seats' using Hamilton method • Determine if the Alabama paradox has occurred when adding new seats • Determine if the population paradox has occurred when populations change (HONORS) • Determine if the new states paradox has occurred when a state is added (HONORS) • Apportion the seats using Jefferson method • Apportion the seats using Adams method • Apportion the seats using Webster and Hill methods 			
Essential Terminology				
Literacy Integration	Literacy Standards	Level	Standard	Standard Name
	Literature Connections			
Technology Integration	Technology Standards	Level	Standard	Standard Name
	Websites			
Assessment	Formative			
	Performance Tasks			
	Summative			
Resources				
Learning Plan	Instructional Sequence	1- Intro apportionment/Hamilton method 2- Alabama paradox, population and new states paradox 3- Jefferson method 4- Adams Method 5- Webster and Hill 6- Review Test		
Differentiation	Remediation			
	Enrichment			