AP Calculus BC Unit 1 Kaleidoscope Review Rubric

The Unit 1 Kaleidoscope Review Project is a unique strategy to assist students in learning how to interpret math. This method will also give students a chance to think and internalize previous knowledge and newly

acquired concepts.



- 1. Each class will create a "Clean and Legal" 10 minute mathematical presentation.
- 2. There will be 6 **groups** that cover the Unit 1 concepts.
- 3. Each group will use the "Wheel Decide" to select presentation topics form the list below:

Separating the Variables/Differential Equations	Integration by Parts	Implicit Differentiation	
Euler's Method	Slope Fields	Functional Growth Rate	
Integral Review	Partial Fractions	Limit Techniques – (u-sub, trig sub,	
		quadratic/completing the square, & trig inverse)	
Logistic Growth	L'Hopital's Rule	Particle Motion	

- 4. (Circle the two selected topics for each group.)
- 5. After each presentation, the class will rank the presentations.
- 6. Each group will make an engagingly creative 10 minute presentation.

7. Grading Scale:

30 pts	Math Concepts
20 pts	Creativity & 2 Technological links uploaded to the Google Doc by Feb 13 th
20 pts	Oral Presentation. Organization, & Time Management (5 - 10 pts deducted for over or under usage of group's time limit)
10 pts	Teamwork / Group Participation / Class Involvement
10 pts	Group Ranking (10, 8, 6, 4, or 2 pts)
10 pts	Promptness – on time, meeting due date, technological readiness, adequate presentation pace – due Feb 12 th = Upload Link(s) & Feb 13 th = Presentation)

8. Each group will demonstrate the mathematical concepts that are in pre-selected topics in a creative, informative, and engaging oral presentation.

(Keep in mind the following Learning Styles, Learning Pyramid Techniques, & 21st Century Skills.)

Learn	ning Styles	*	ቍ፟	.01	
Verbal / Linguistic	Logical / Mathematical	F	NA	-10-	
Visual / Spatial	Bodily / Kinesthetic	Nature Smart (Naturalist)	People Smart (Interpersonal)	Number Smart (Logical/Mathematical)	Picture Smart (Spatial/Visual)
Musical / Rhythmic	Intrapersonal	1		50.7	
Interpersonal	Naturalist		334	.O	
9. Good I	Luck & Have Fun!	Self Smart (Intrapersonal)	Bocky Smart (Bodily-Kinesthetic)	Music Smart (Musical)	Word Smart (Linguistic)

Learning Pyramid

(Retention Rates)

Lecture 5%	Demonstration 30%
Reading 10%	Discussion Group 50%
Audio-Visual 20%	Practice by Doing 75%



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21 st Cent	The 4Cs	
Creativity	Critical Thinking	Collaboration Communication
Communication	Collaboration	Critical Thinking

