



Cooperating Teacher Professional Development April 25, 2020

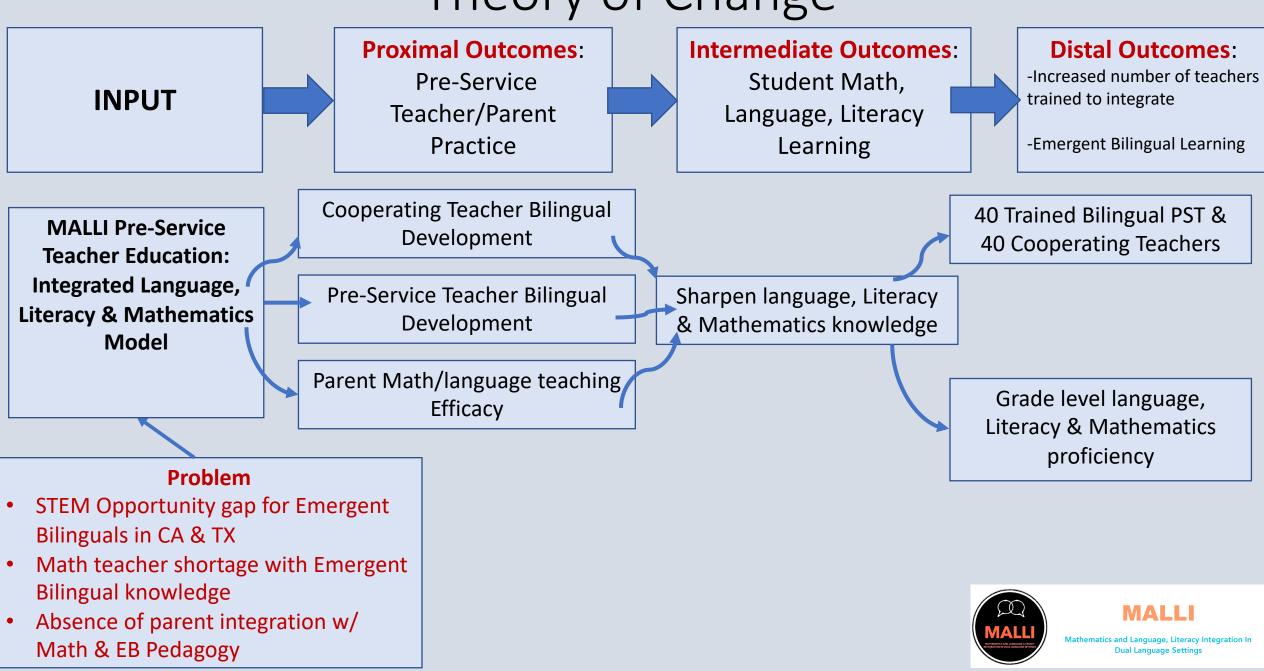
Marco Bravo Santa Clara University

Introductions

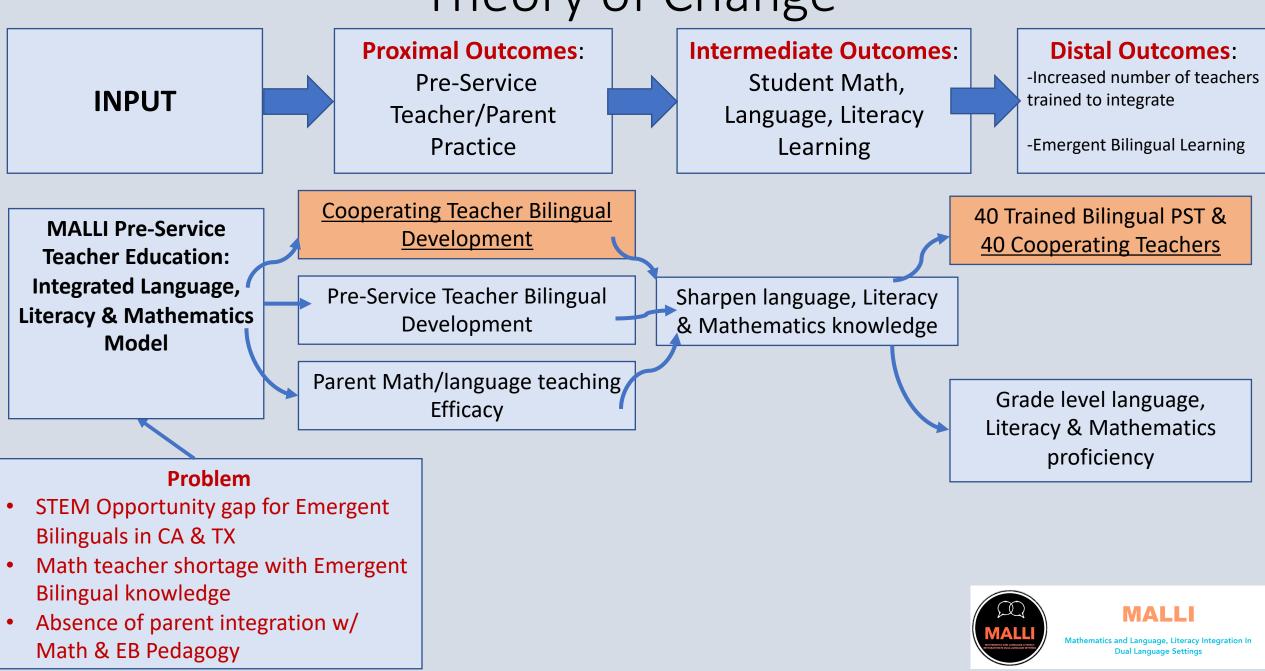
- In the 'Chat box'
 - •Name
 - State
 - School
 - Grade level or Position held at school
 - First thing you will do when the shelter in place is lifted OR *something you learned to do during the shelter in place*



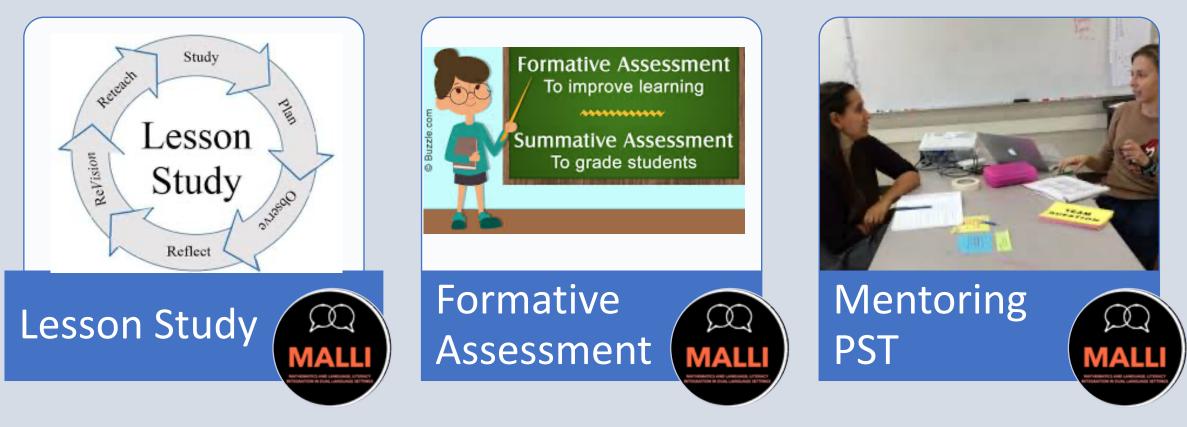
Theory of Change



Theory of Change



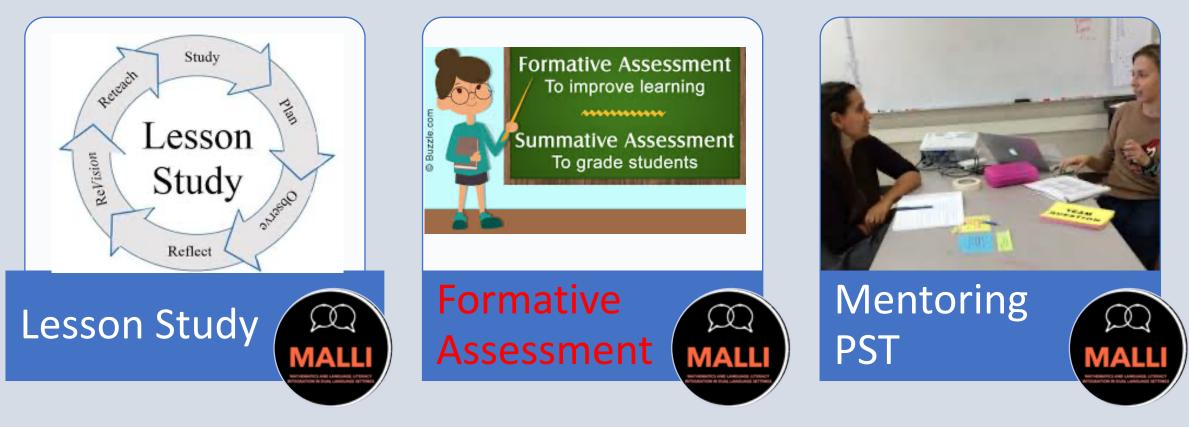
Cooperating Teacher Professional Development







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The Formative Ass	essment Process
A process	A one-time thing
Planned	Unplanned
Using evidence to make	Moving on or spending more
osing condence to make	
instructional adjustments	time on a topic regardless of
0	
instructional adjustments	time on a topic regardless of
instructional adjustments and/or verifying learning	time on a topic regardless of evidence







Are these formative assessments?





PRIMER GRADO: ESCRITURA MATEMATICA

Direcciones: Usa la casilla para mostrar tu trabajo de matemáticas. En las líneas de abajo, explica tu respuesta.

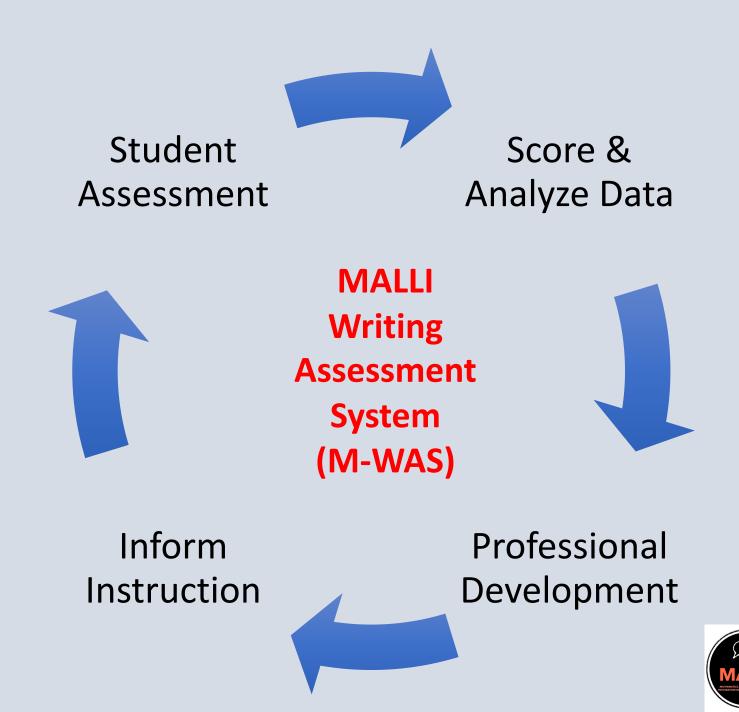
Tú tienes 3 crayones azules, 4 crayones rojos, y 6 crayones amarillos.

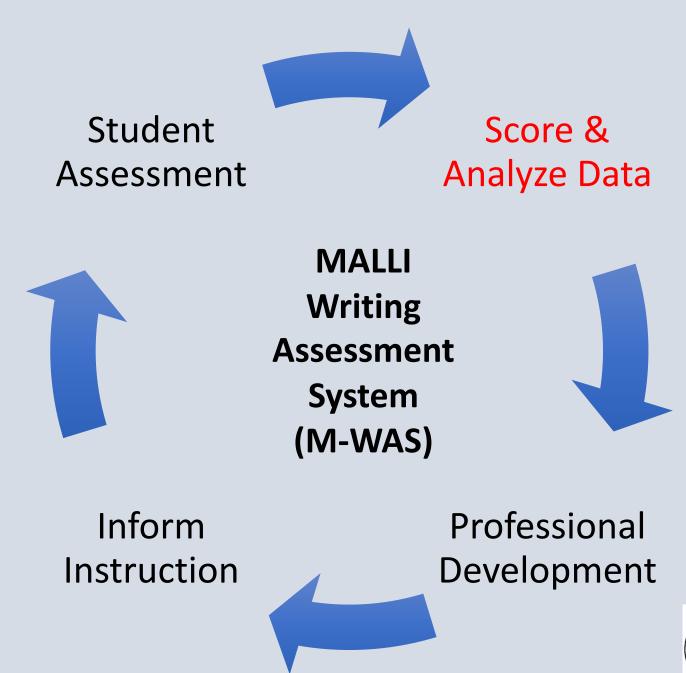
A. ¿Cuántos crayones tienes en total? Haz un dibujo que te ayude a solucionar el problema.

B Utiliza palabras para explicarle a tu amigo cómo encontraste tu respuesta.













Spanish/English Writing Prompts

PRIMER GRADO: ESCRITURA MATEMATICA

Direcciones: Usa la casilla para mostrar tu trabajo de matemáticas. En las líneas de abajo, explica tu respuesta.

Tú tienes 3 crayones azules, 4 crayones rojos, y 6 crayones amarillos.

A. ¿Cuántos crayones tienes en total? Haz un dibujo que te ayude a solucionar el problema.

B Utiliza palabras para explicarle a tu amigo cómo encontraste tu respuesta.

1ST GRADE MATH WRITING PROMPT

Directions: Use the box to show your math work. In the lines below, explain your answer with words.

You are coloring a picture for art class. You have extra crayons that you would like to share with your classmates. You have 3 blue crayons, 4 red crayons, and 6 yellow crayons.

How many crayons do you have in all? Draw a picture to help you solve the problem.

Explain to your friend how you found out the number of crayons you have in all.





Sample Responses

KINDER: ESCRITURA MATEMATICA

Direcciones: Usa el espacio de abajo para mostrar tu trabajo de matemáticas. En las líneas de abajo, explica tu respuesta.

Carlos tiene 3 pelotas y Ángel tiene 2 pelotas. ¿Cuántas pelotas hay en total?

Haz un dibujo que te ayude a resolver el problema.

Cot C	DOGO	A A
Explica cómo encontraste tu respu Y o DIVO	uesta.	
Х.	•	1.1

KIM LE KINDER: ESCRITURA MATEMATICA

Direcciones: Usa el espacio de abajo para mostrar tu trabajo de matemáticas. En las líneas de abajo, explica tu respuesta.

Carlos tiene 3 pelotas y Ángel tiene 2 pelotas. ¿Cuántas pelotas hay en total?

Haz un dibujo que te ayude a resolver el problema.

Explica cómo/encontraste tu respuesta.



Dual Language Settings

What can we learn from these responses by Ximena and Kimberly?

4TH GRADE MATH WRITING PROMPT

Directions: Use the box to show your math work. In the lines below, explain your answer.

Your classroom needs a new carpet. The principal has asked you to find out how much carpet he will need to buy. The size of your classroom is 35 feet by 52 feet. Write an equation to represent the problem and then solve the problem.

Area Model Explain to the principal how you found your answer. answer was How one tha ional Algorith. Next also I used 40at Wha MU

brain CIN adition blem ter DYO ma answer. Was I Calbations Math au ansu ona. answer.

What can we learn from this student response? What has the teacher done well to create this type of response? What could this student still need help with?

MATH WRITING RUBRIC

MALLI WRITING ASSESSEMENT RUBRIC (MWAS) MATHEMATICS WRITING RUBRIC

	MATHEMATICS WRITING RUBRIC								
SCORE	MATH REASONING	MATH COMPUTATION	MATH VOCABULARY	MATH LITERACY					
4	 The reasoning shows well- organized and clear logic for explaining and justifying the correct solution The reasoning shows understanding of mathematical concepts and operations, or relations to theorems, formulas or postulates 	 Mathematical procedures (addition, subtraction, multiplication, and division) are carried out accurately and efficiently Problem solving strategies use concepts and procedures appropriately 	Uses various tier 3 (e.g., vertices, associative property, includes units) and tier 2 (e.g., digit, quotient, variable,) words with precision and accuracy to describe reasoning and computation	• Visual literacies (e.g., graph, number line) utilized appropriately to represent mathematical reasoning to enhance understanding					
3	 The reasoning shows logic for explaining and justifying the solution The reasoning shows understanding of mathematical concepts and operations to solve problem 	 Mathematical procedures (addition, subtraction, multiplication, and division) are carried out accurately. Problem solving strategies use concepts and procedures appropriately 	Uses one tier 3 (e.g., vertices, associative property, includes units) and one tier 2 (e.g., digit, quotient, variable,) word with precision and accuracy to describe reasoning and computation	• Visual literacy (e.g., graph, number line) utilized appropriately to represent mathematical computation					
2	 The reasoning partially shows some logic for explaining or justifying the solution OR The reasoning shows understanding of mathematical concepts or operations to solve problem 	 Mathematical procedures may be inaccurate. Problem solving strategies uses concepts and procedures are not appropriate 	Uses tier 3 (e.g., vertices, associative property, includes units) or tier 2 (e.g., digit, quotient, variable, and computation May use words inaccurately	• Visual literacy (e.g., graph, number line) utilized to represent mathematical computation but incomplete or utilized erroneously					
1	 No reasoning included does not explain the solution The reasoning does not show understanding of mathematical concepts or operations to solve problem 	 No computation is included, OR mostly irrelevant computation is included 	Uses everyday vocabulary instead of math vocabulary	• Visual literacy (e.g., graph, number line) NOT utilized to represent mathematical reasoning or computation					

MATH WRITING RUBRIC

MALLI WRITING ASSESSEMENT RUBRIC (MWAS) MATHEMATICS WRITING RUBRIC							
SCORE		MATH REASONING	MATH COMPUTATION	MATH VOCABULARY	MATH LITERACY		
3	•	Explain how they solved the problem The explanation shows they understand the math concepts	 Mathematical procedures (+, -, x, and /) are carried out accurately Problem solving strategies use concepts and procedures appropriately 	Uses tier 3 (e.g., vertices, associative property, includes units) and tier 2 (e.g., digit, quotient, variable,) word	Visual literacy (e.g., graph, number line) utilized appropriately to represent mathematical computation		



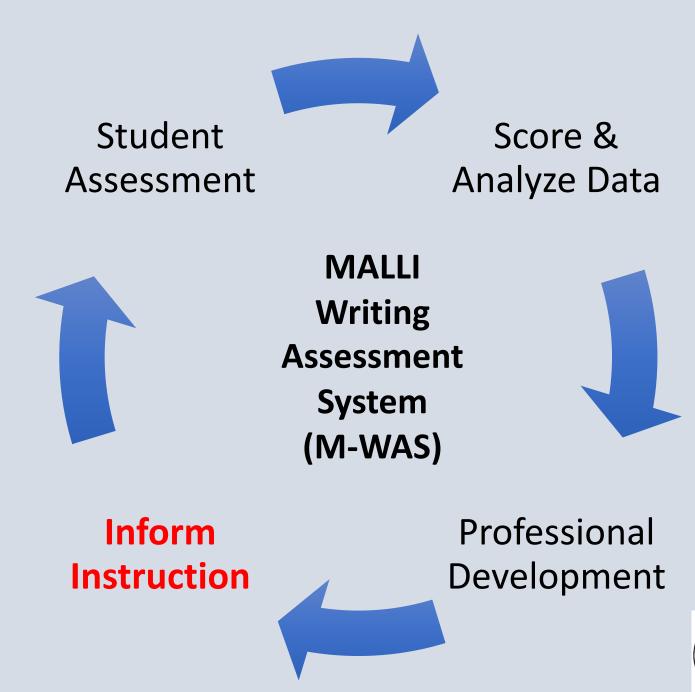


Your Task

Part A

- 1. With partner, score 5 writing samples with the rubric
- 2. Identify areas of need according to the rubric







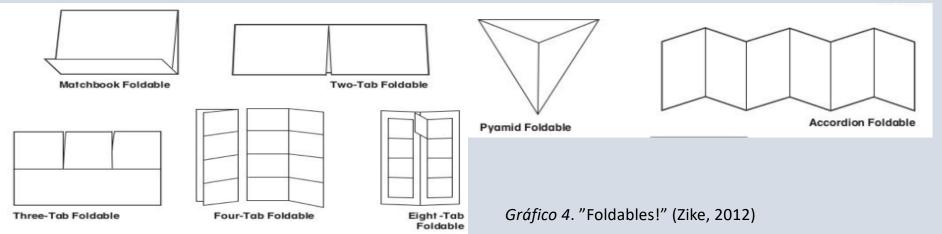


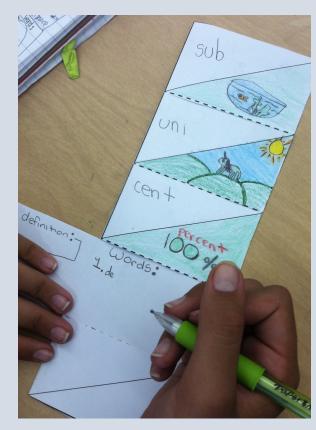
Morfología: Estrategias de enseñanza

• Plegables:

organizadores gráficos multidimensionales que pueden ser usados para asistir a los estudiantes.

una herramienta kinestésica para organizar y analizar el aprendizaje (Manual: "Flodables" by Dinah Zike).







PRECISIÓN CON VOCABULARIO

Explicar que muchas palabras son sinónimos

Dígale que algunas palabras captan mejor lo que hacemos sobre MATEMÁTICAS

Proporcione ejemplos (RESPUESTA / PRODUCTO)

Explique la diferencia: EL PRODUCTO SIGNIFICA RESPUESTA DEL PROBLEMA DE LA MULTIPLICACIÓN

En Grupos y usando los libros de matematicas, identifiquen otras palabras que son sinónimos y agregar a la lista

COTIDIANA	ACADÉMICA				
aproximada	Estimar				
cruzan	intercepto				
problema	Ecuación				
proceso	algoritmo				



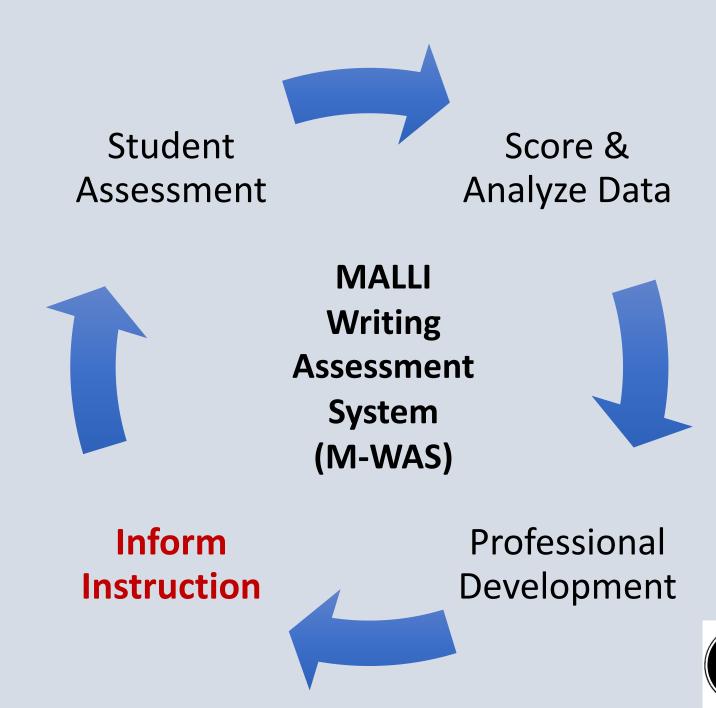


Your Task

Part B

- 1. Based on your findings from the evaluation of student work, and with your partner create a mini-lesson that targets the area of need
 - Math Reasoning
 - Math Computation
 - Math Vocabulary
 - Math Literacy
- 2. Upload your mini lesson







Task

Part A

- 1. With partner, score 5 writing samples with the rubric
- 2. Identify areas of need according to the rubric

Part B

- 1. Based on your findings from the evaluation of student work, and with your partner create a mini-lesson that targets the area of need
 - Math Reasoning
 - Math Computation
 - Math Vocabulary
 - Math Literacy
- 2. Upload your mini lesson





Reflection

- What have you learned from the session?
- Can you think about a way in which you could involve your mentee or pre-service teacher in administering, scoring, thinking through how students responded or planning instruction?
 - How would you change it?



Logistics

TX-UT San Antonio

• email

CA-Santa Clara University

GUEST SPEAKER /HONORARIUM									
Approval Request Form									
Speaker Name					[
Social Security #	ŧ				Phone				
		Street #							
Home Address:									
		City							
		State	ite				Zip		
Program/Event/0	Program/Event/Class of Presentation								
Math and Langu	age Literacy Integrat	ion in Dual L	anguage Se	ttings (Proj	ect EDU 023	Obse	rvation		
Date of Presenta	ation		20-Apr-20	Location of	fEvent	Virtual	/Remotely		
			Honorariu	um Amount					\$500.00
		Travel	(Air,Bus,Ta	xi,Parking)					
2009 auto milea 1/1/2009	ge rate; effective		@.!	55 Per Mile					
2010 auto milea 1/1/2010	ge rate; effective			50 Per Mile					
1/1/2010		I	@	Lodging					
				Meals					
			Total Arr						
Total Amount Billed Note: To be reimbursed for expenses, original receipts must be attac					ned. A 1099 f	or pav	ment of servi	ces pro	\$500.00 wided will be
	r tax reporting purp						1		
FACTORS TO B	E CONSIDERED FO	R HONORAF	RIUM				Yes		No
1 The speaker	is hired for specific e	vent					4		
									4
2 The speaker	is a current employe	e						- -	
3 The speaker	is being hired on cor	itinuing, recu	rring, or long	g term basis	•				4
4 Nonresident	Alien Speaker- Attacl	h forms W8-B	EN and 823	33.					4
Account	Fund	Dent		nting String Activity	Class		Project		
7410	13001	Dept	Prog PS	Activity	Class				
7410	13001	EDUC	P5			Fax	EDU023		
Submitted By	Mar	co Bravo		Dept		Ext	6040	Date	25-Apr-20
						Ext	2040	Date	
Department Manager Approval									
Dean/Director A	pproval	I				Ext		Date	
	able Qualification	umont on Lt-				Yes	· 🗆	io.	
For Account Pay	or Account Payable- Qualifies for payment as Honoraria								