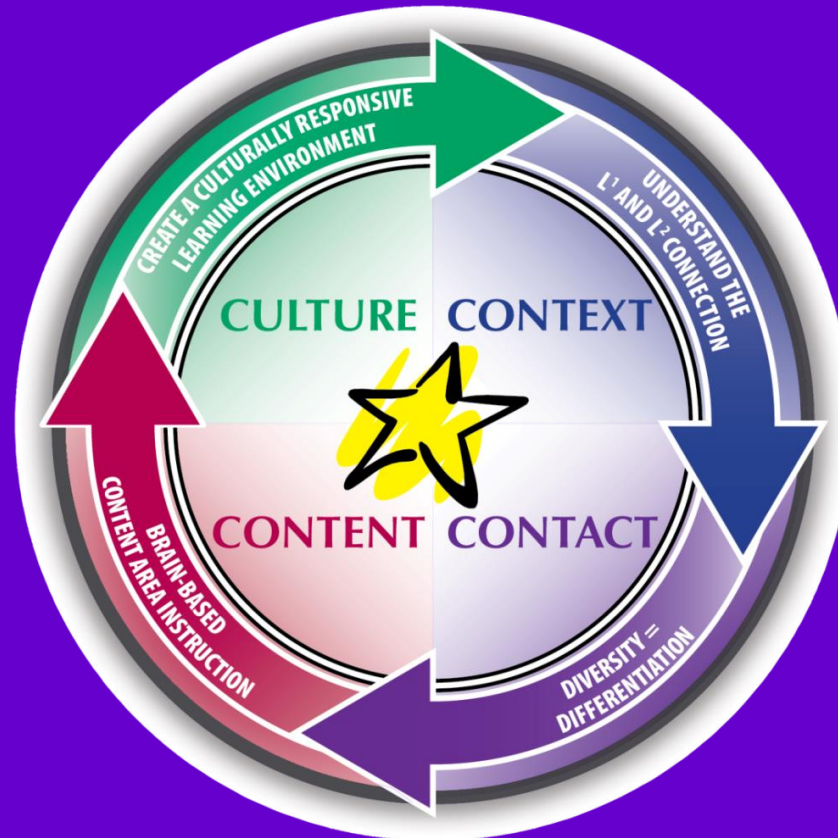


# Mind-Brain-Education Science: Culturally and Linguistically Responsive Frameworks, Processes, and Strategies

Jo Gusman  
[www.nhie.net](http://www.nhie.net)



**What did you bring me today?**



**“Everyone who walks through our classroom door comes in with a story. Our job as educators is to learn about and appreciate each person’s story.”**

*To Gusman*

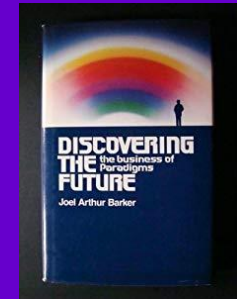


# Mind

Trusted Models that Stand the Test of Time.

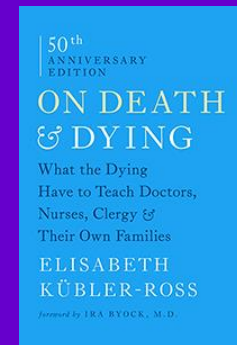
- **“When we enter into a new paradigm, we all go back to 0.”**

Discovering the Future: The Business of Paradigms. Joel Barker



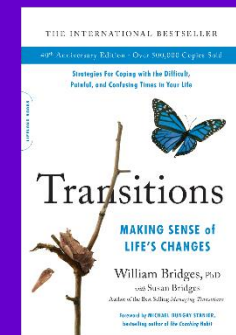
- **Grief Cycle**  
**Denial-Anger-Bargaining-Depression-Acceptance**

Dr. Elisabeth Kübler-Ross, physician, psychiatrist, and author. *On Death and Dying*



- **“Change is external. Transition is internal.”**  
**Endings – Neutral Zone - Beginnings**

Transitions: Making Sense of Life's Changes. Dr. William Bridges



# Brain

## The 5 Mind-Brain-Education Science Concepts

1. Human brains are as unique as faces.
2. All brains are not equal because context and access influence learning.
3. The brain is changed by experience.
4. The brain is highly plastic.
5. In its search for meaning, the brain seeks **PATTERNS, ASSOCIATIONS, and CONNECTIONS** with the new data and data previously stored.



# Brain Neuroplasticity

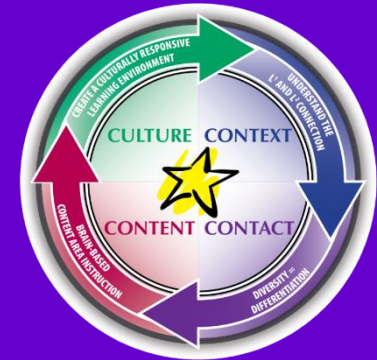
**“When someone is struggling to learn something,  
simply CHANGE the ENERGY!”**



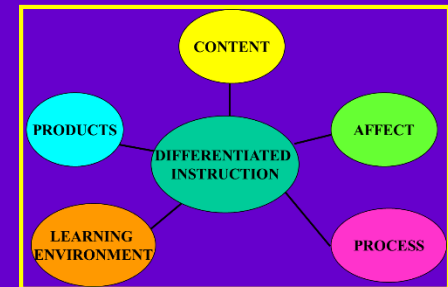
# Education Science

- **Culture-Context-Contact-Content:**  
Culturally and Linguistically Responsive  
Curriculum and Instruction Model<sup>©</sup>

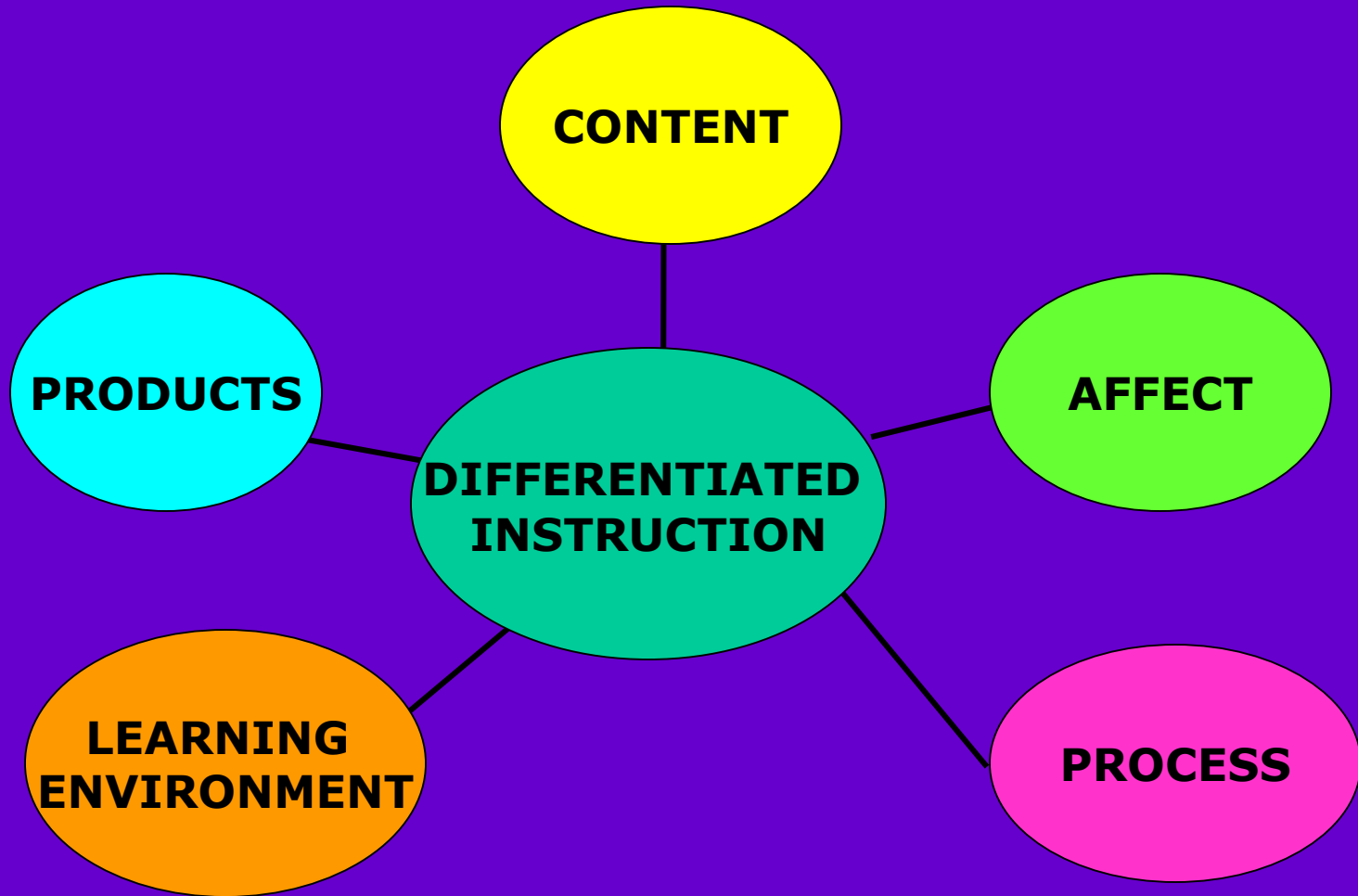
Jo Gusman



- **Differentiated Instruction Model**  
Dr. Carol Ann Tomlinson



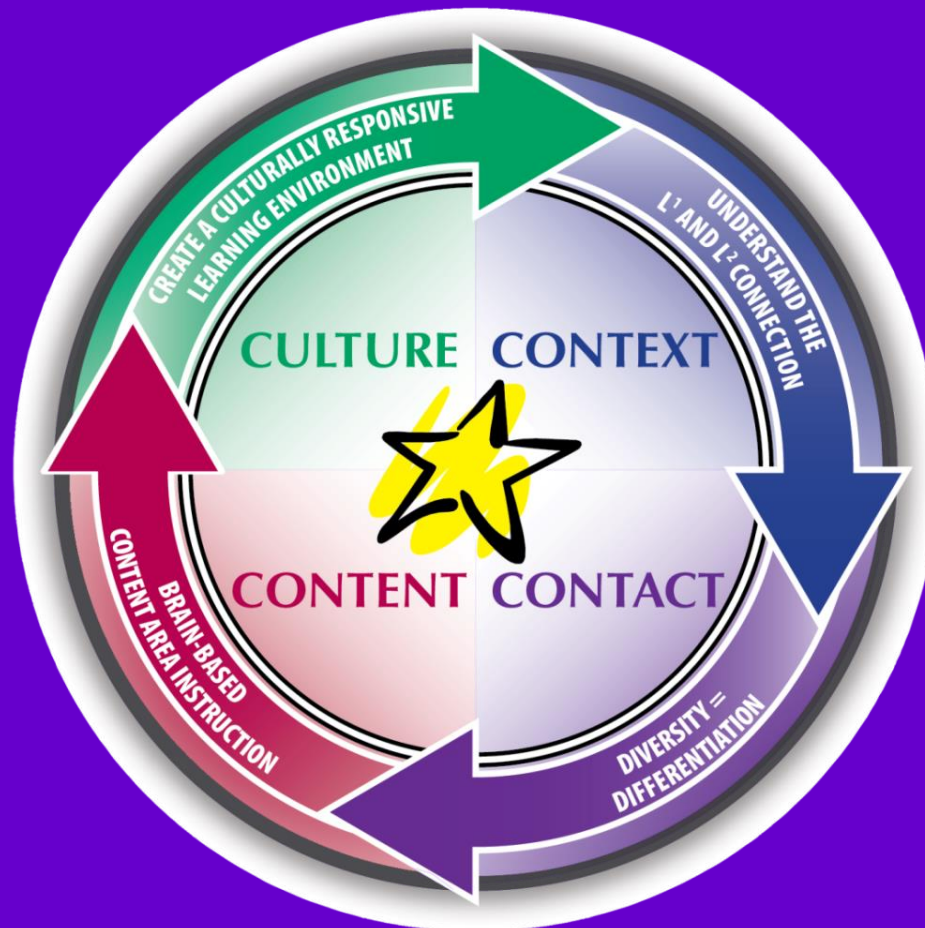
# Differentiated Instruction and Your Culturally and Linguistically Diverse Students





# Culture-Context-Contact-Content Culturally and Linguistically Responsive Curriculum and Instruction Model<sup>©</sup>

Jo Gusman



# Emerging Bilingual Students

## The 4 Bs

Jo Gusman

- **Bilingual**
- **Biliterate**
- **Bicultural**
- **Bicognitive**



# Jo's Recommended Resources

## New Horizons In Education

[www.nhie.net](http://www.nhie.net)



- Select **Additional Resources** on the home page.
- Select the **Spanish Multilingual Resources** category in the Additional Resources page.

In this section you will find information about your students' native language, culture - Ethnologue and Omniglot - teaching materials, and other useful resources.

# Chunk-N-Chew®

*Jo Gusman*

**CHUNK**

- Teacher presents lesson in 11-17 minute chunks.
- Teacher makes input comprehensible by using the Multiple Intelligences

**CHEW**

- Give students 5-15 minutes to process the chunk.

## WAYS FOR STUDENTS TO CHEW THE CHUNK

1. Intrapersonal /Reflection Time
2. L<sup>1</sup> or L<sup>2</sup> Partners
3. Cooperative Learning
4. Whole Class

# ***Our Education Avengers Greeting***

**I see you. (Sawa bona) I am here. (Sikhona)  
I am what I am because of who we all are. (Ubuntu)**

Zulu is a Southern Bantu language spoken mainly in South Africa

**Heart**



**Hope**



**Faith**



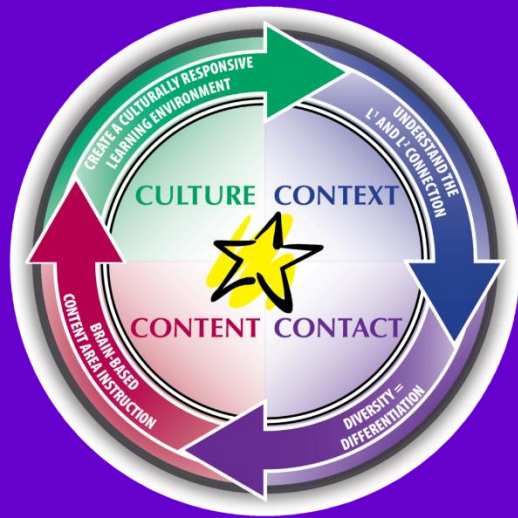
**I look forward to being with you in the very near future.**

*To Gusman*

# Jo Gusman

## New Horizons In Education

[www.nhie.net](http://www.nhie.net)



- \*Workshops/Institutes
- \*Keynote Addresses
- \*EL Program Review
- \*Phone Consultation
- \*School Transformation Coaching
- \*Professional Development materials

[www.nhie.net](http://www.nhie.net)  
(916) 482-4405