





**C**-Culturally

**R**-Responsive

E-Equitable

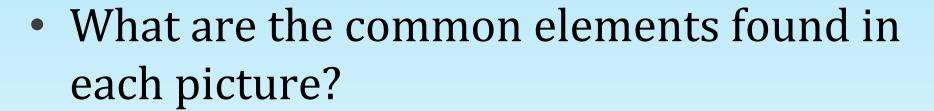
A-Accessible

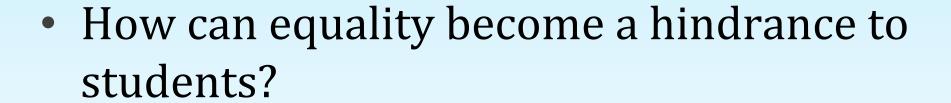










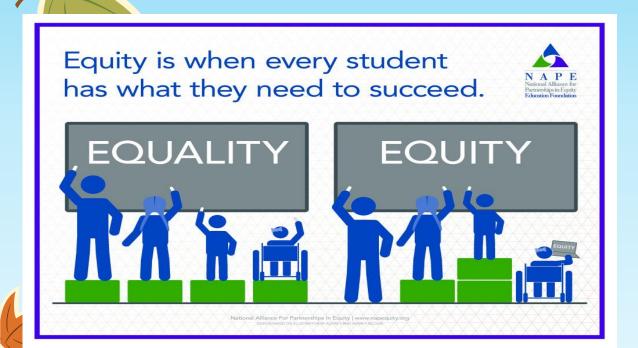


 What implications do these pictures have for your classroom practices?

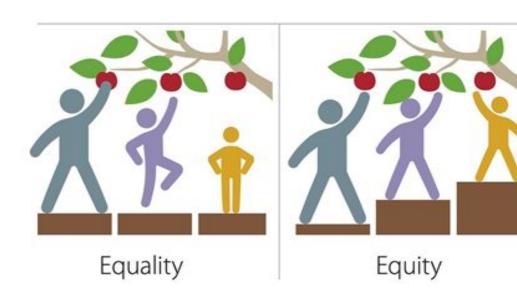




















## www.kahoot.it









## **Surface Culture**

- observable elements: food, dress, music, holidays
- low emotional charge
- low anxiety in persons/group

## **Shallow Culture**

- unspoken rules, norms
- courtesy, time, space, eye contact,
- deep cultural values rapport, trust
- strong emotional charge: disrespect, offensive, hostile, mistrust, distress, social friction

## **Deep Culture**

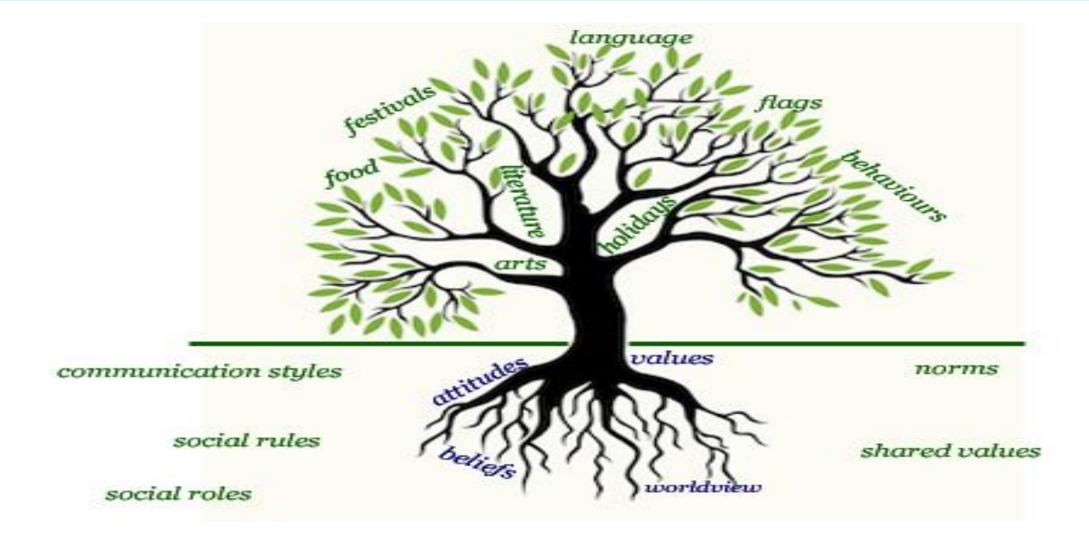
- unconscious assumptions
- understanding of good/bad, spirituality, competition, cooperation
- how we learn information, threats/rewards in the environment
- intense emotional charge

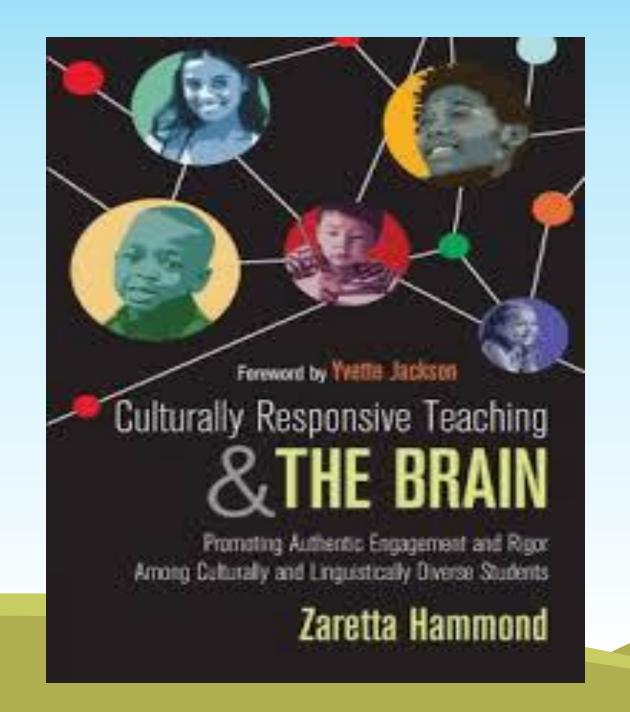






## If a curriculum does not respond to a culture, then the culture won't respond to the curriculum.









## **Culturally Responsive Brain Rules**



- 1. The brain seeks to minimize social threats and maximize opportunities to connect
- 2. Positive relationships keep our safety-threat system in check.
- 3. Culture guides how we process information.

- 4. Attention drives learning
- 5. New information must merge with prior knowledge to be learned
- 6. The brain grows through challenge and stretch for more complex thinking/learning.



#### READY FOR RIGOR A FRAMEWORK FOR CULTURALLY RESPONSIVE TEACHING

#### **AWARENESS**

- Know and own your cultural lens.
- Understand the three levels of culture.
- Recognize cultural archetypes of individualism and collectivism.
- Understand how the brain learns.
- Acknowledge the sociopolitical context around race and language.
- Recognize your brain's triggers around race and culture.
- Broaden your interpretation of culturally and linguistically diverse students' learning behaviors.

#### INFORMATION PROCESSING

- Provide appropriate challenge in order to stimulate brain growth to increase intellective capacity.
- Help students process new content using methods from oral traditions.
- Connect new content to culturally relevant examples and metaphors from students' community and everyday lives.
- Provide students authentic opportunities to process content.
- Teach students cognitive routines using the brain's natural learning systems.
- Use formative assessments and feedback to increase intellective capacity.

#### LEARNING PARTNERSHIPS

- Reimagine the student and teacher relationship as a partnership.
- Take responsibility to reduce students' social-emotional stress from stereotype threat and microagressions.
- Balance giving students both care and push.
- Help students cultivate a positive mindset and sense of self-efficacy.
  - Support each student to take greater ownership for his learning.
    - Give students language to talk about their learning moves.

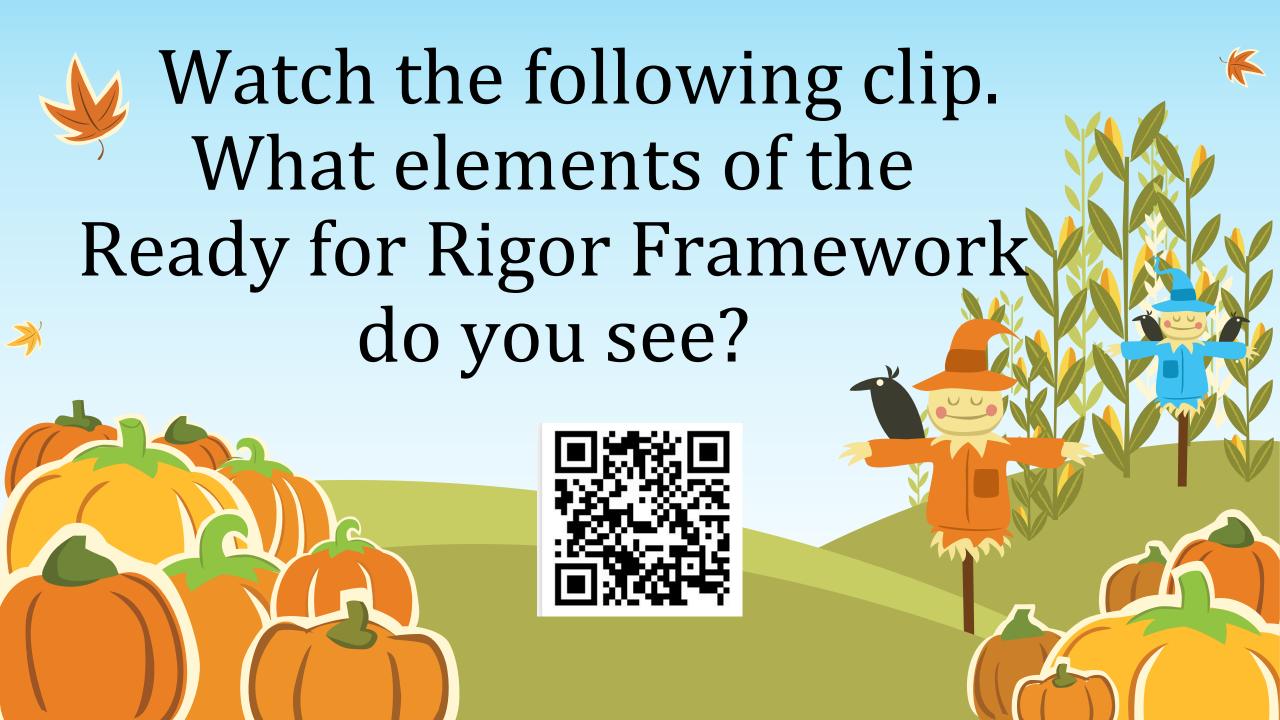
# STUDENTS ARE READY FOR RIGOR AND INDEPENDENT LEARNING

Affirmation

Validation

## & LEARNING ENVIRONMENT

- Create an environment that is intellectually and socially safe for learning.
- Make space for student voice and agency.
- Build classroom culture and learning around communal (sociocultural) talk and task structures.
- Use classroom rituals and routines to support a culture of learning.
- Use principles of restorative justice to manage conflicts and redirect negative behavior.







## Let's give it a try: Action Thermometer

Read the quote below. Think about whether you agree or disagree with the statement.



# Technology is the great equalizer.







## Cummins' Model of Academic Language

## Cognitively Undemanding

### A.

- Art, music, PE
- Following simple directions
- Face-to-face conversations

### C.

- Telephone conversations
- Note on refrigerator
- Written directions

## Context Embedded

#### В.

- Demonstrations
- A-V assisted lesson
- Science experiments
- Social studies projects

## **Context Reduced**

### D.

- Reading a textbook
- Explanation of new abstract concepts
- ·Lecture with few illustrations
- Math concepts & application

**Cognitively Demanding** 









Click on each picture for a teacher tutorial.















## Effective Technology Use Makes Learning Accessible











Kami



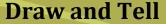


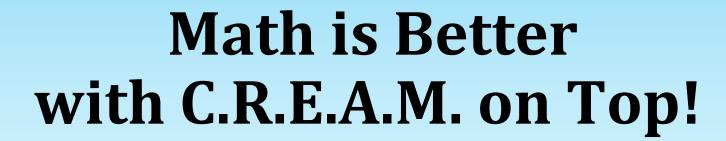
**Kahoot** 













**C**-Culturally

**R**-Responsive

E-Equitable

A-Accessible











not who they wish they were, not who they are supposed to be, not who the district says they are,

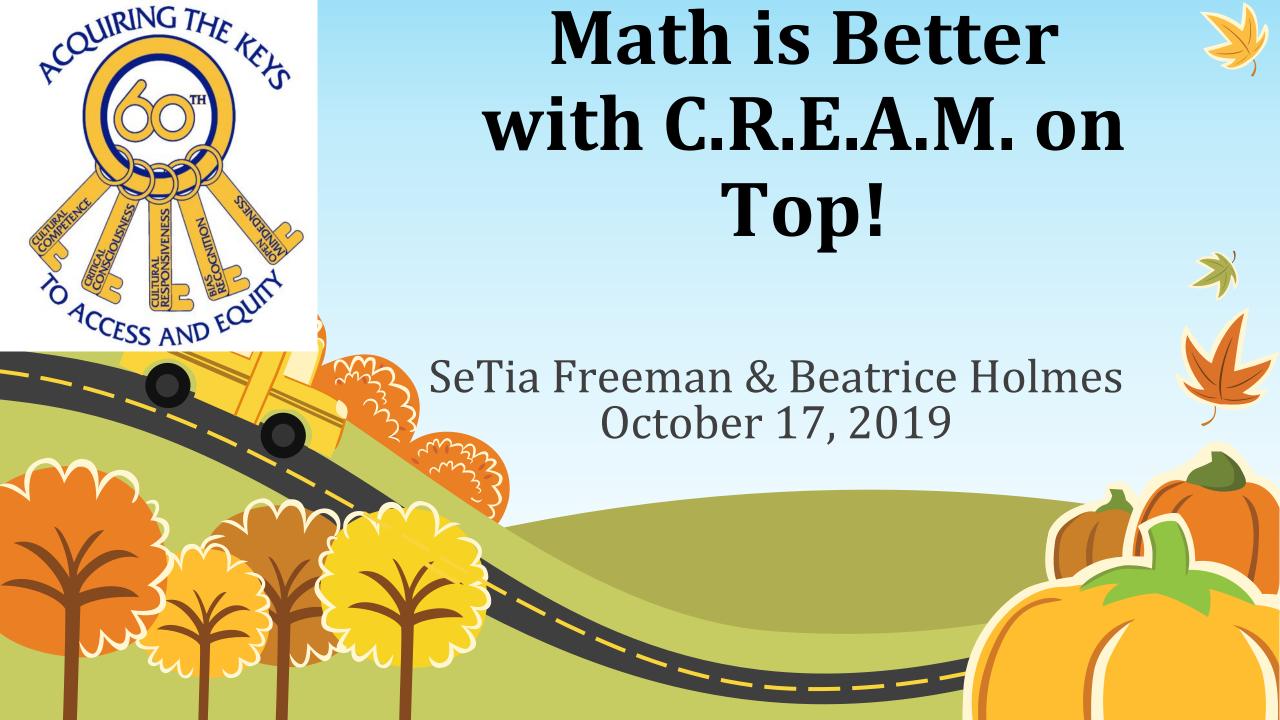


but who they are.

-Debbie Silver Teacher, Education Week









#GCTM2019 @gctm\_math

**Conference Feedback** 





