

The background features a large, faint watermark of the Stanford University seal. The seal is circular and contains the text "LELAND STANFORD JUNIOR UNIVERSITY" around the top edge and "1891" at the bottom. In the center of the seal is a tree with a figure standing next to it.

Virtual Teaching For Students of Color: How to Make Sure Culturally Relevant Practices Make Their Way Home

Bryan A. Brown, Ph.D.

A Dilemma of Technology & Teaching

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Googling “Quarantine home school”



A Dilemma of Technology & Teaching

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Googling “Quarantine home school”



A Dilemma of Technology & Teaching

Googling “Quarantine home school”



- Multiple children, requires multiple computers & laptops
- Wireless access & speed cost money

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

A Dilemma of Technology & Teaching

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



- Attending digital a course in a crisis can be challenging
- Fighting digital distractions
- Teachers in need of expertise and support

The Big Idea: Digital Diversity

Virtual Instruction should:

- Use images and sounds that reflect diversity
- Teach content **THROUGH** diverse topics
- Should empower kids to act on their knowledge
- Embrace digital limitations (paper models, drawing, photos, social media)
- Use Culturally relevant pedagogy

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

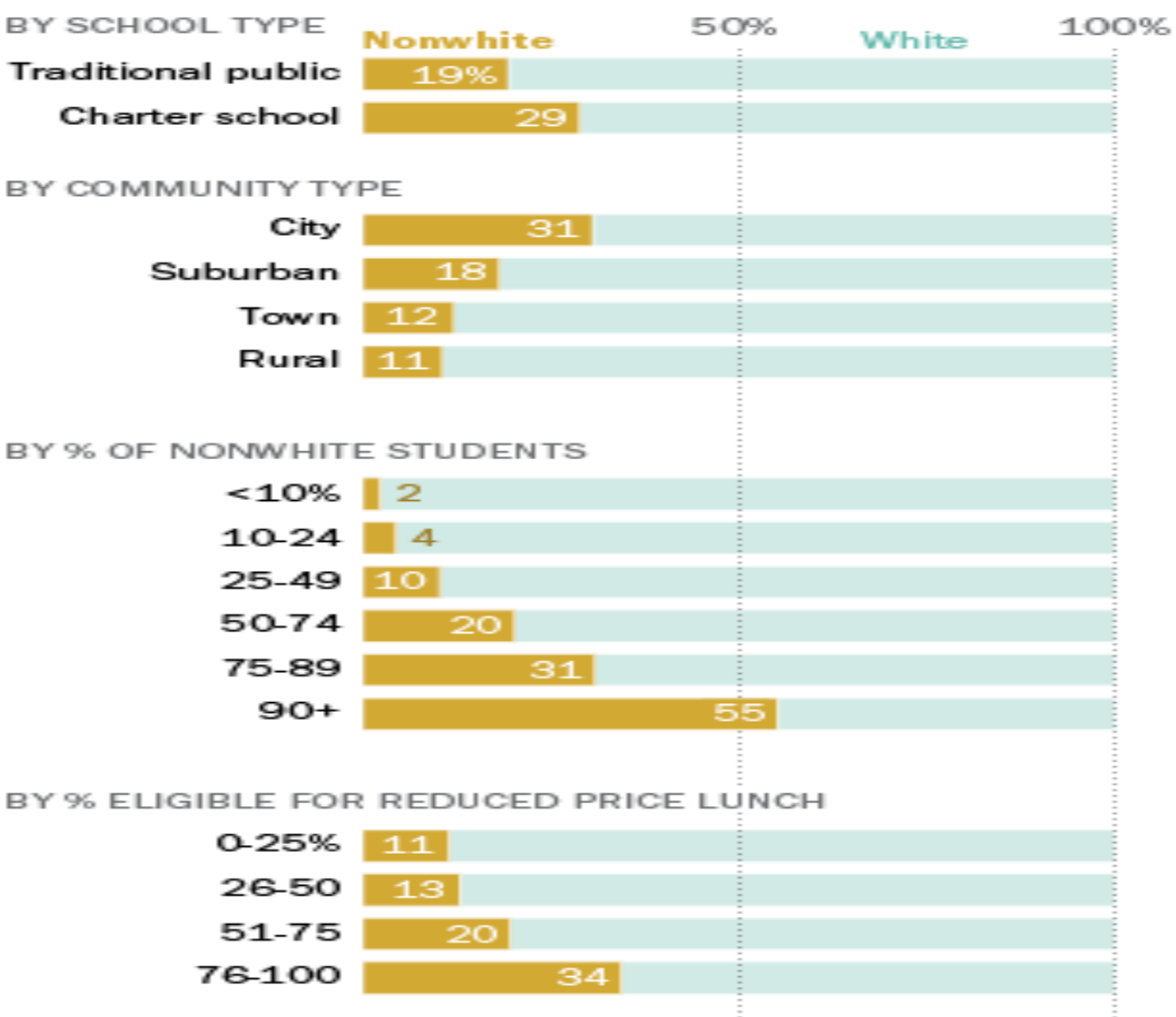


The Big Idea: Digital Diversity

- A Dilemma
- Big Idea**
- What is CRP
- Theory v Pedagogy
- Sample of CRP
- Digital Diversity?
- D.D. Theory
- D.D. Pedagogy
- Sample
- Tools 4 Teachers
- Join The Movement

Nonwhites made up a small share of public school teachers in 2015-16

% of teachers who are nonwhite, by school trait



The Big Idea: Digital Diversity

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

4 Digital basics:

1. Change The Topic

2. Change The Formative Assessment

- videos and posts

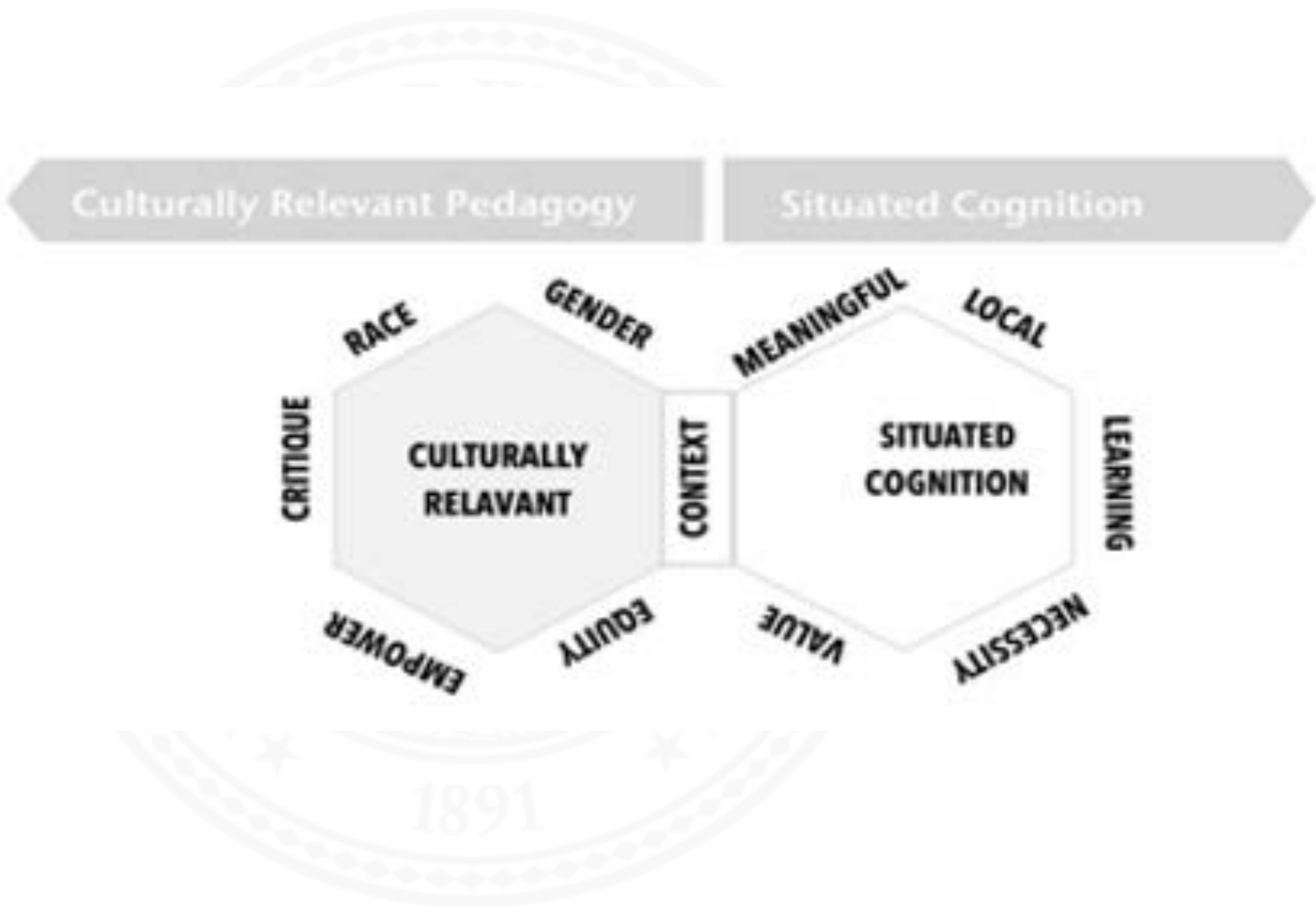
3. Use digital engagement...

-talk less & let students type more

4. Change The Audience

What is Culturally Relevant Pedagogy

- A Dilemma
- Big Idea
- What is CRP**
- Theory v Pedagogy
- Sample of CRP
- Digital Diversity?
- D.D. Theory
- D.D. Pedagogy
- Sample
- Tools 4 Teachers
- Join The Movement

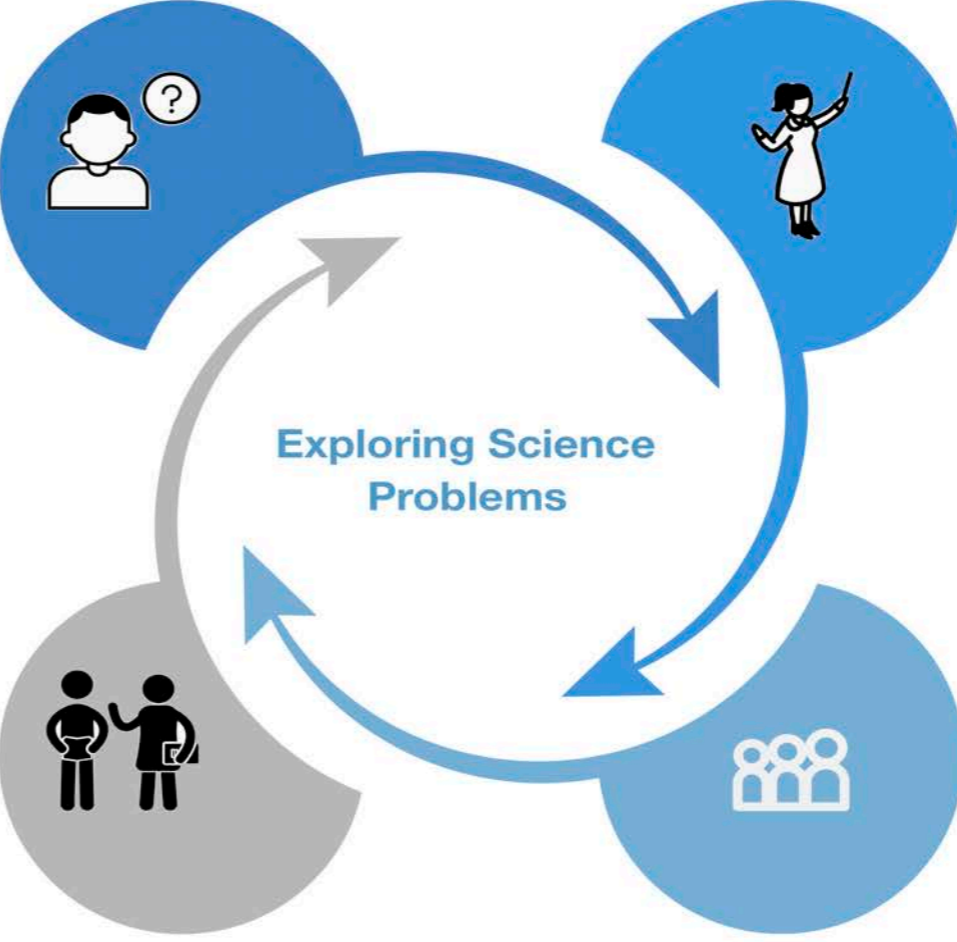


What is Culturally Relevant Pedagogy

- A Dilemma
- Big Idea
- What is CRP**
- Theory v Pedagogy
- Sample of CRP
- Digital Diversity?
- D.D. Theory
- D.D. Pedagogy
- Sample
- Tools 4 Teachers
- Join The Movement

4 STEP Cognitive Apprenticeship Lesson Planning

Establish A Problem
The lesson begins by exploring a problem that REQUIRES students to learn the content.



Modeling
We expect the students NOT to know the answer. The first stage is teacher centered as they help the students build a basic understanding

Fading
Students will offer detailed explanations of the initial problem and will explore how to solve it through science.

Coaching
Students must take charge of exploring answer proving the right answer is correct and explaining to each other.

What is Culturally Relevant Pedagogy

- A Dilemma
- Big Idea
- What is CRP**
- Theory v Pedagogy
- Sample of CRP
- Digital Diversity?
- D.D. Theory
- D.D. Pedagogy
- Sample
- Tools 4 Teachers
- Join The Movement

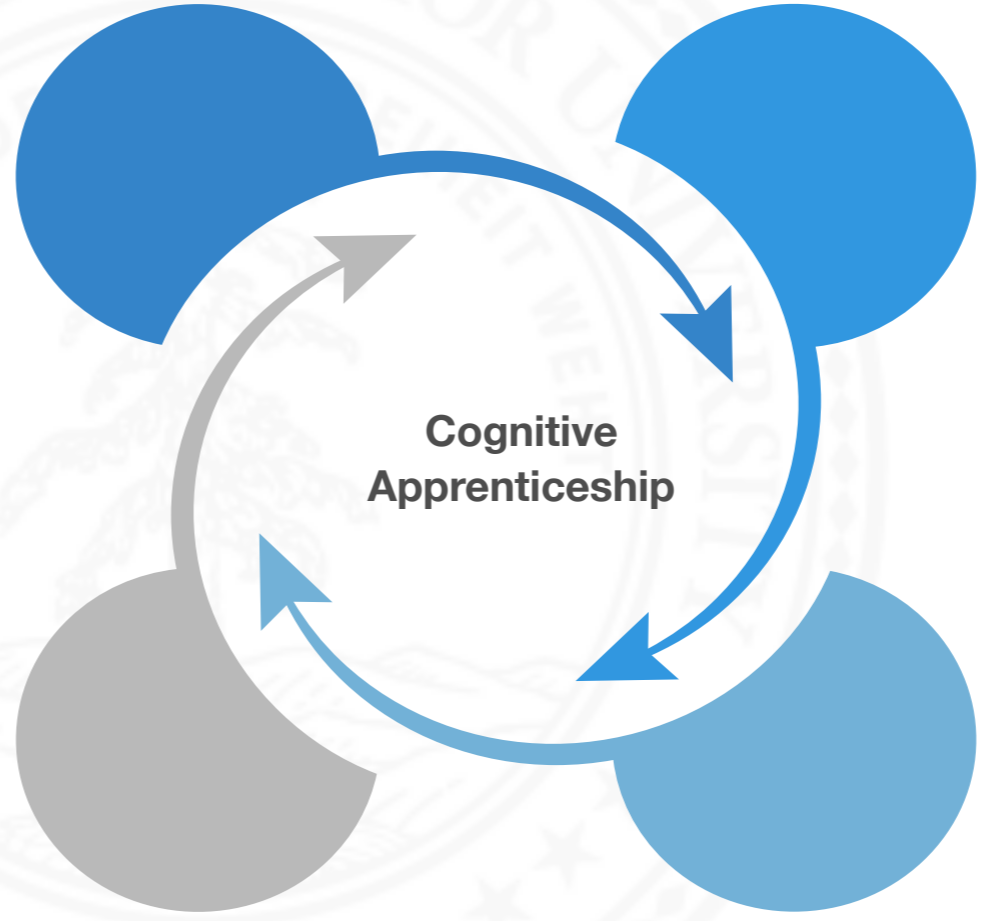
The Problem

Why would it be bad to put a fresh water fish in a salt water tank?

Fading

Activities

- Students write essays explaining key ideas
- Students prepare and present their own videos



Modeling

Activities

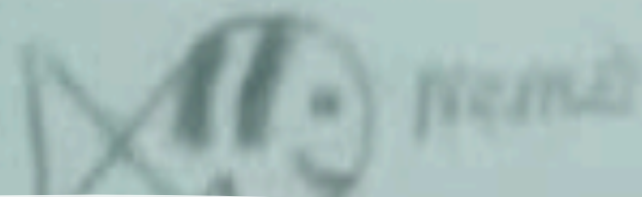
- Video explaining Concept
- Teacher Lecture
- Short Read

Coaching

Activities

- Inquiry Experiment
- Students presents models explain the answer
- Students prepare a powToon animation

Finding
Nemo



What is Culturally Relevant Pedagogy

A Dilemma

Big Idea

What is CRP

Theory v Pedagogy

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

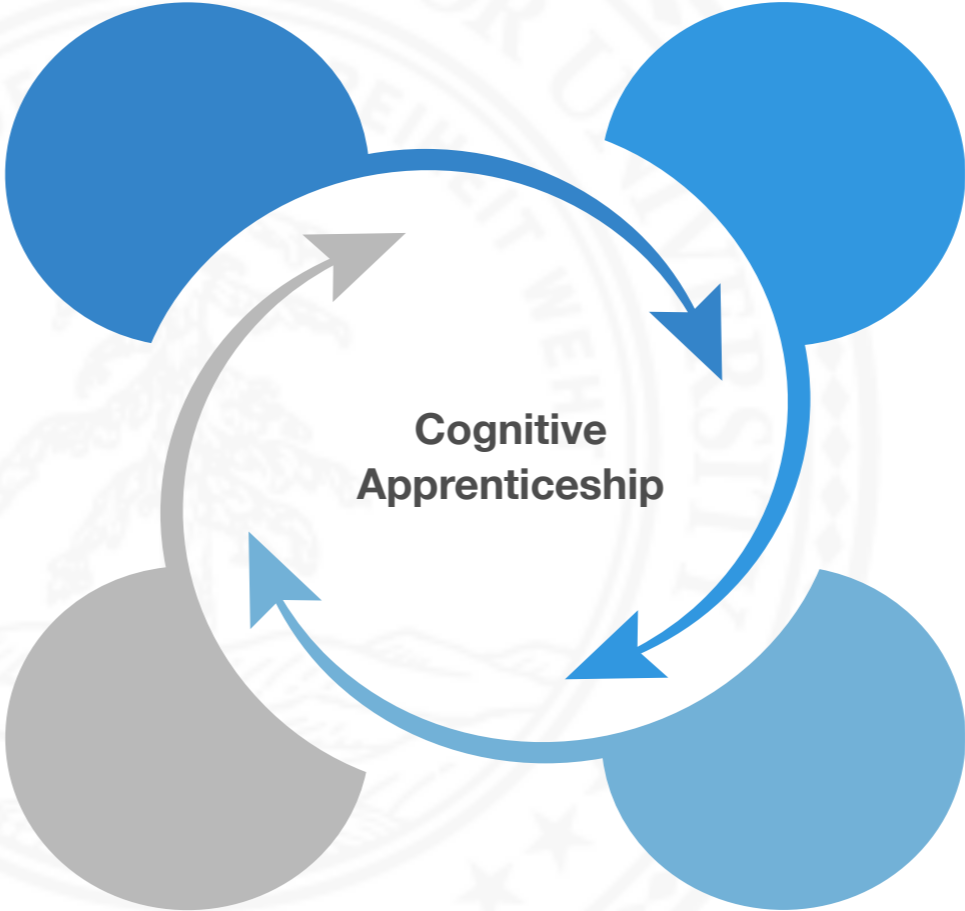
Join The Movement

The Problem

Why do we marinate Carne Asada? Why do we marinate Chicken?

Fading

- Students receive guide for our family
- Students prepare and present their own videos explaining how it works



Modeling

Activities

- Video explaining Concept
- Teacher Lecture
- Short Read

Coaching

Activities

- Inquiry Experiment
- Students presents models explain the answer
- Students prepare a powToon animation



The Problem

Does marinating meat work?

The Concept

Osmosis & Diffusion

CRP Theory vs. Practice

While it may take years to recruit and train black science teachers our technology can be black today?

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



A Sample of CRP Teaching

Join me at:

www.Nearpod.com

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity?

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

The screenshot shows the Nearpod website interface. At the top, there is a navigation bar with the Nearpod logo and links for 'Learn', 'Explore', 'Schools & Districts', and 'Students'. A search bar labeled 'Enter CODE' is highlighted with a red circle. To the right of the search bar is a 'My Nearpod' button and a menu icon. Below the navigation bar, the main content area has a green background. It starts with a 'Welcome Bryan!' message, identifying the user as a 'School user'. Below this, it says 'We've personalized your homepage just for you!' and 'Here's your latest news:'. The featured content includes a large banner for 'Camp Engage! 2019' with the dates 'July 8 - Aug 2', featuring a camera, a compass, and trees. To the right of the banner is a video player showing a video about 'MALALA YOUSAFZAI' with the subtitle 'ETHNIC STUDIES'. Below the video player, it says 'FEATURED CONTENT' and 'Download the scope & sequence and sample lessons!'. At the bottom of the featured content section, it says 'Learn how you can combine culturally-relevant primary and...'. The bottom of the screenshot shows 'LATEST NEWS' and a 'Screenshot' button.

Digital Diversity

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



Digital Diversity

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

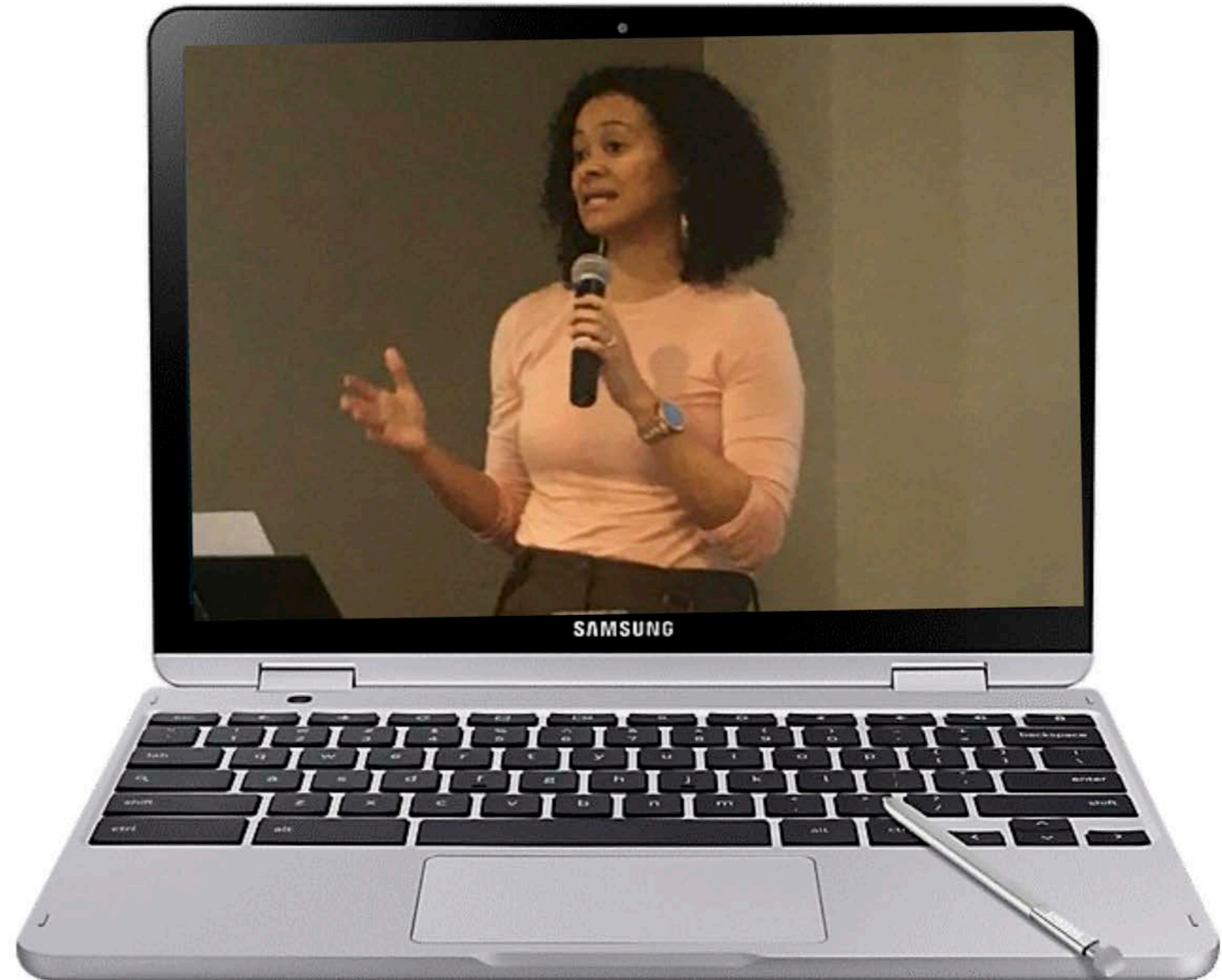
D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



Digital Diversity- Theory

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



Stereotype Threat (Steele, 1991)

Reverse Stereotype Threat (Ambady, 2001)

Unconscious Bias (Eberhardt, 2019)

Digital Diversity- Theory

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

All 3 rely on psychological cueing



Stereotype Threat (Steele, 1991)

Reverse Stereotype Threat (Ambady, 2001)

Unconscious Bias (Eberhardt, 2019)

Digital Diversity- Pedagogy

Virtual Instruction should:

- a. Use images and sounds that reflect diversity
- b. Should explore diverse topics
- c. Should empower kids to
- d. Embrace digital limitations
- e. Use Culturally relevant pedagogy

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



A Sample of Digital Diversity Teaching

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

How would you teach the urinary system in a CRP Way?

How do you make sure your distance learning lesson is digitally diverse?

A Sample of Digital Diversity Teaching

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

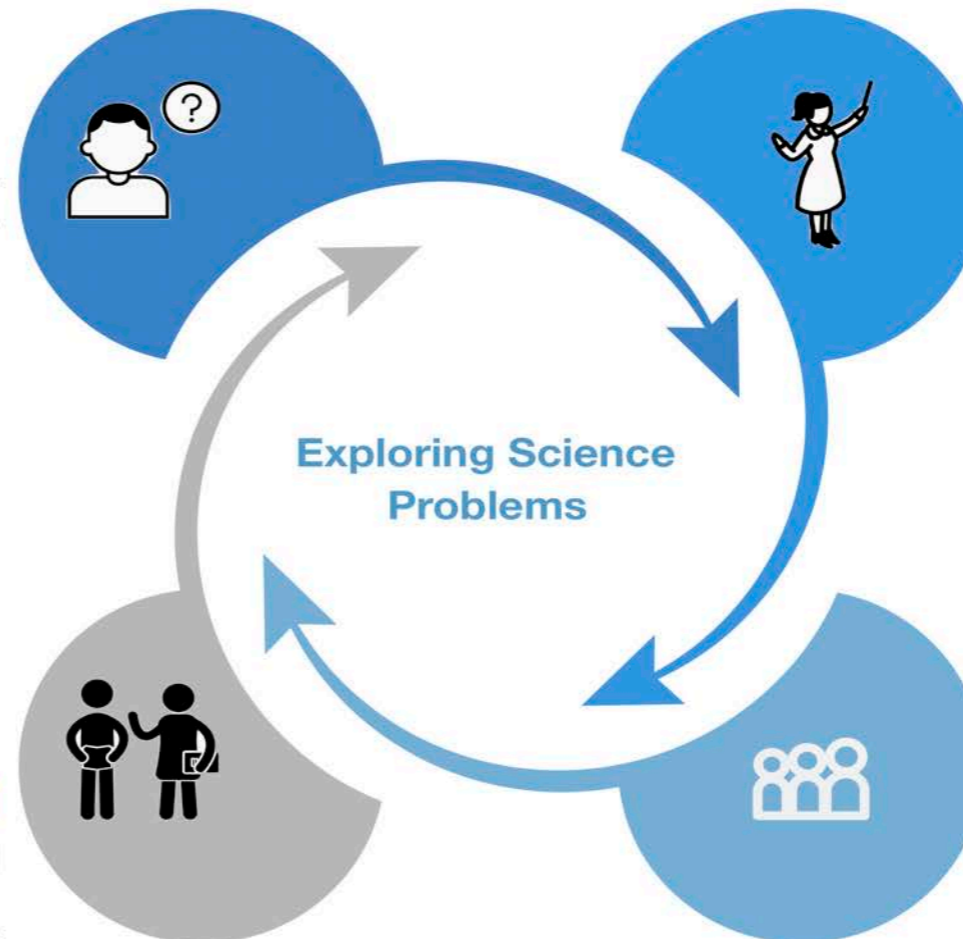
Tools 4 Teachers

Join The Movement

4 STEP Cognitive Apprenticeship Lesson Planning

Establish A Problem

The lesson begins by exploring a problem that REQUIRES students to learn the content.



Modeling

We expect the students NOT to know the answer. The first stage is teacher centered as they help the students build a basic understanding

Fading

Students will offer detailed explanations of the initial problem and will explore how to solve it through science.

Coaching

Students must take charge of exploring answer proving the right answer is correct and explaining to each other.

A Sample of Digital Diversity Teaching

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Establish a problem

When we are at school we drink water from the water facet. Now that we are at home are people drinking less water? If so how does it effect your urine (orange, dark yellow, light yellow)?

Model

- Video teaching about the Urinary System
- Read Textbook

Coach

- Students build a paper model and record explanation videos
- Read Textbook chp

Fade

- Students record public service announcement about drinking water
- Go Viral! Students write social media post about each aspect of the urinary system and the need for clean water

A Sample of Digital Diversity Teaching

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Establish a problem

When we are at school we drink water from the water facet. Now that we are at home are people drinking less water? If so how does it effect your urine (orange, dark yellow, light yellow)?

Model

- Video teaching about the Urinary System
- Read Text

Coach

- Students build a paper model and record explanation videos
- Read Textbook chp

Fade

- Students record public service announcement about drinking water
- Go Viral! Students write social media post about each aspect of the urinary system and the need for clean water

A Sample of Digital Diversity Teaching

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Establish a problem - CRP

When we are at school we drink water from the water facet. Now that we are at home are people drinking less water? If so how does it effect your urine (orange, dark yellow, light yellow)?

How does health water intake impact health for POC?

Model- CRP

Video teaching about the Urinary System (**USE digitally Diverse Video**)

Read Textbook

Read article about water intake and prostate cancer for POC

A Sample of Digital Diversity Teaching

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Coach - CRP

Students build a paper model and record explanation videos the explains two things:

- (1) How does the Urinary System Work,
- (2) How does water intake impact Colon Cancer for People of Color?

Read Textbook chp

Fade - CRP

- Students record public service announcement about drinking water and **the health benefits for people of color**
- **Go Viral! Students write social media post about each aspect of the urinary system and the need for clean water for POC - Flint**

The Technology-Based Bridge

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

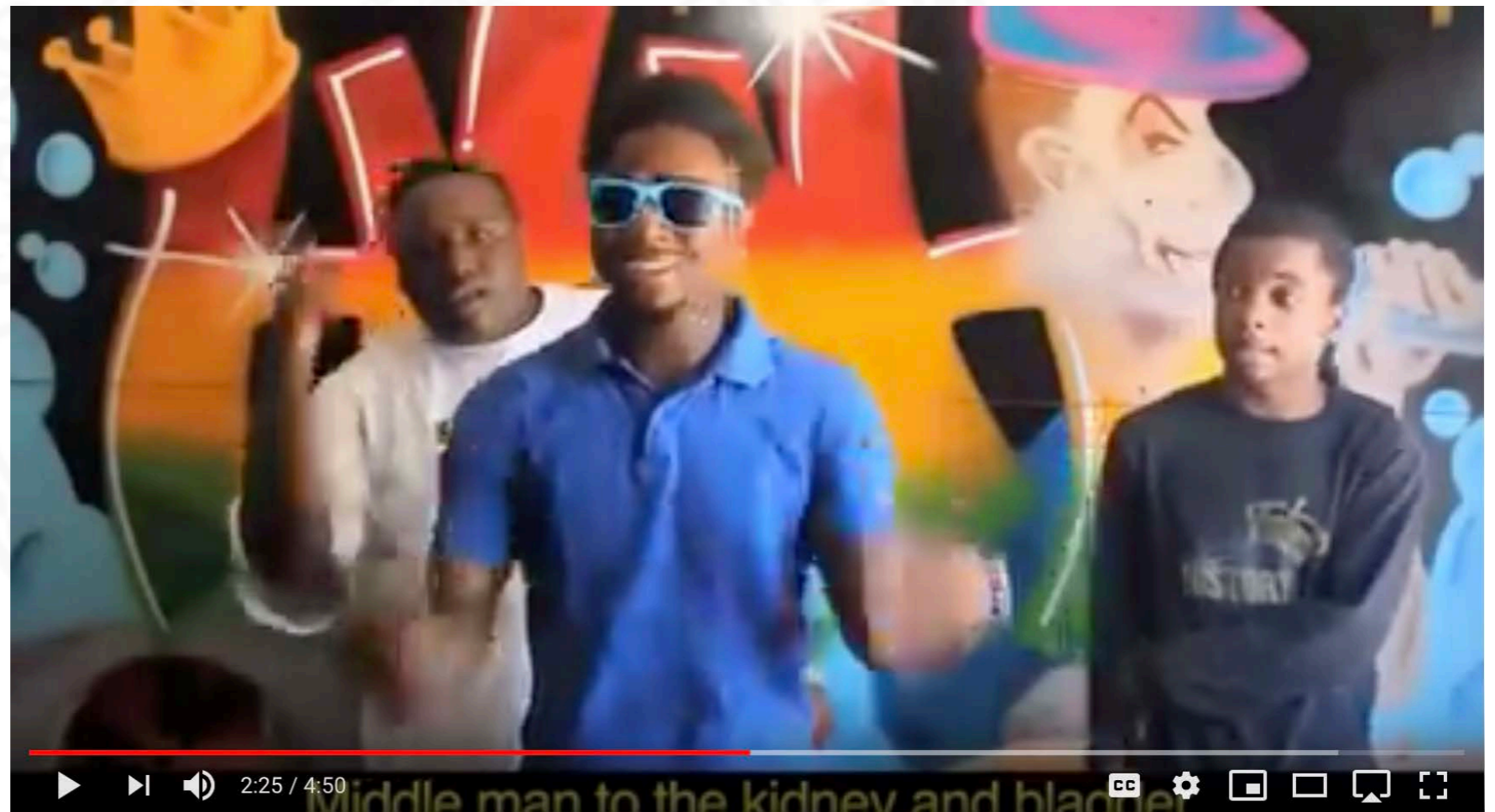
D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

While it may take years to recruit and train black science teachers our technology can be black today?



The Technology-Based Bridge

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

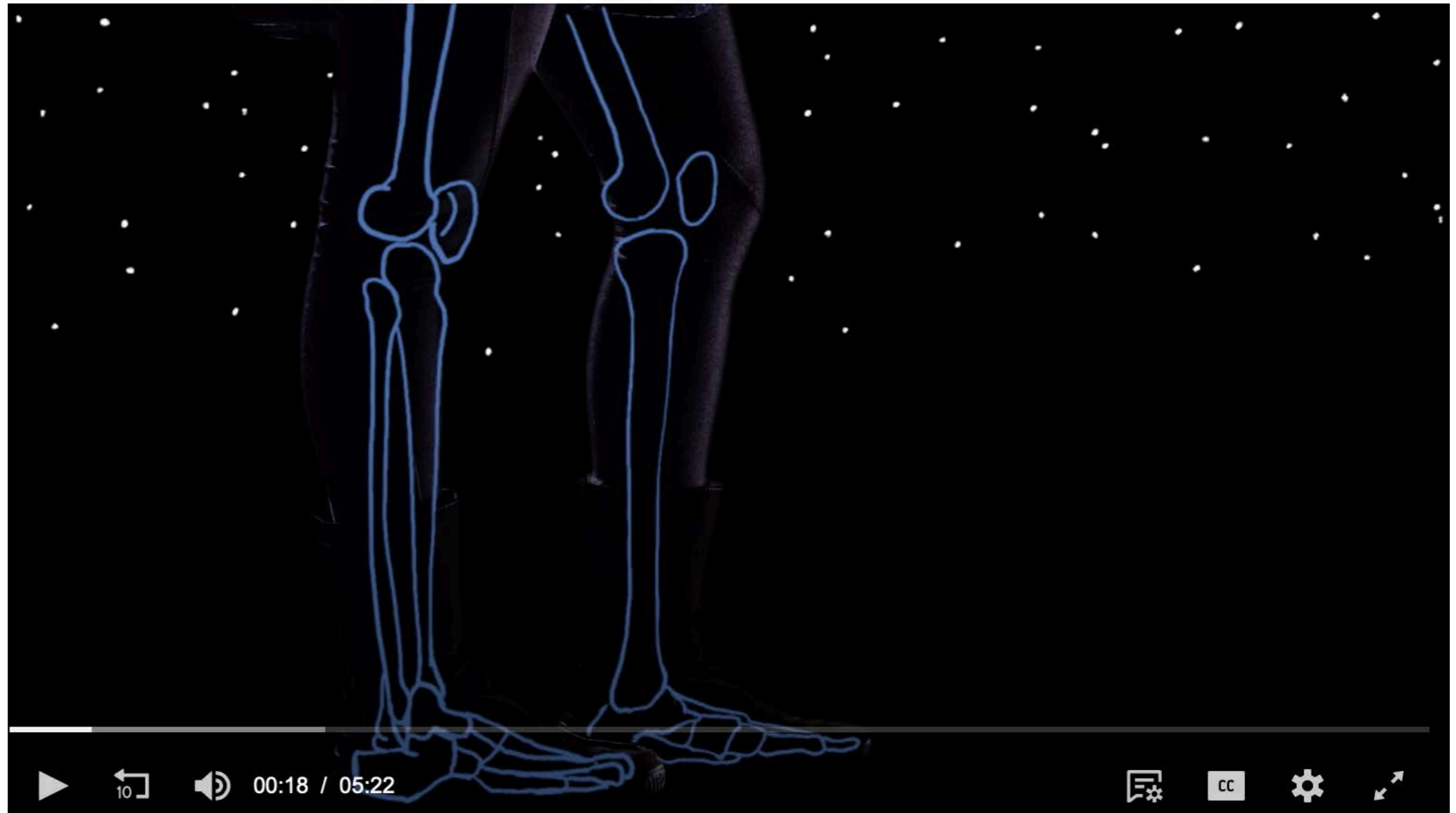
D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement



Tools 4 Teachers

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

D.D. Theory

D.D. Pedagogy

Sample

Tools 4 Teachers

Join The Movement

Virtual Instruction should:

- a. Use images and sounds that reflect diversity
- b. Teach content **THROUGH** diverse topics
- c. Should empower kids to act on their knowledge
- d. Embrace digital limitations (*paper models, drawing, photos, social media*)
- e. Use Culturally relevant pedagogy

Join The Movement

A Dilemma

Big Idea

What is CRP

Theory vs. Practice

Sample of CRP

Digital Diversity

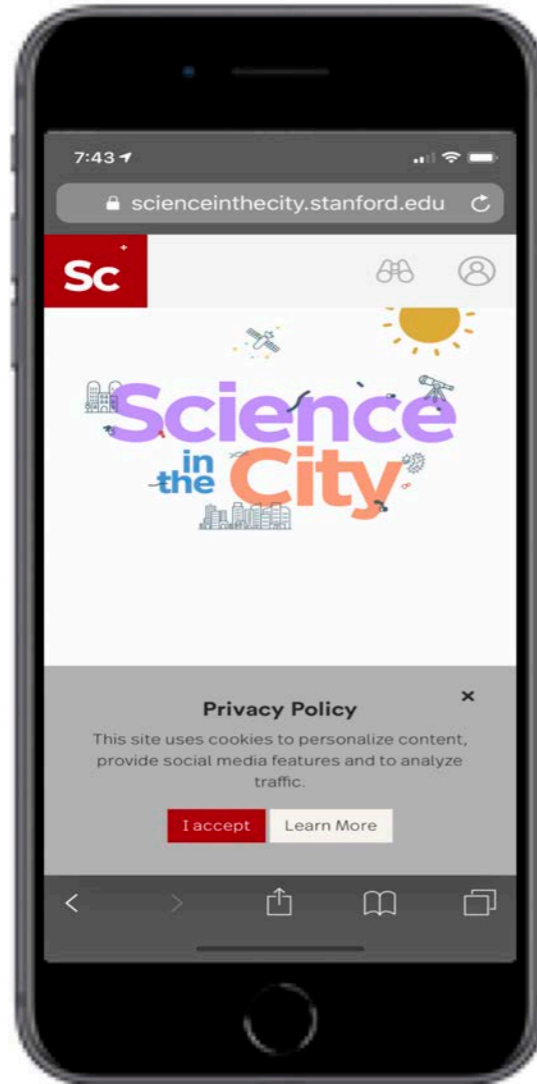
D.D. Theory

D.D. Pedagogy

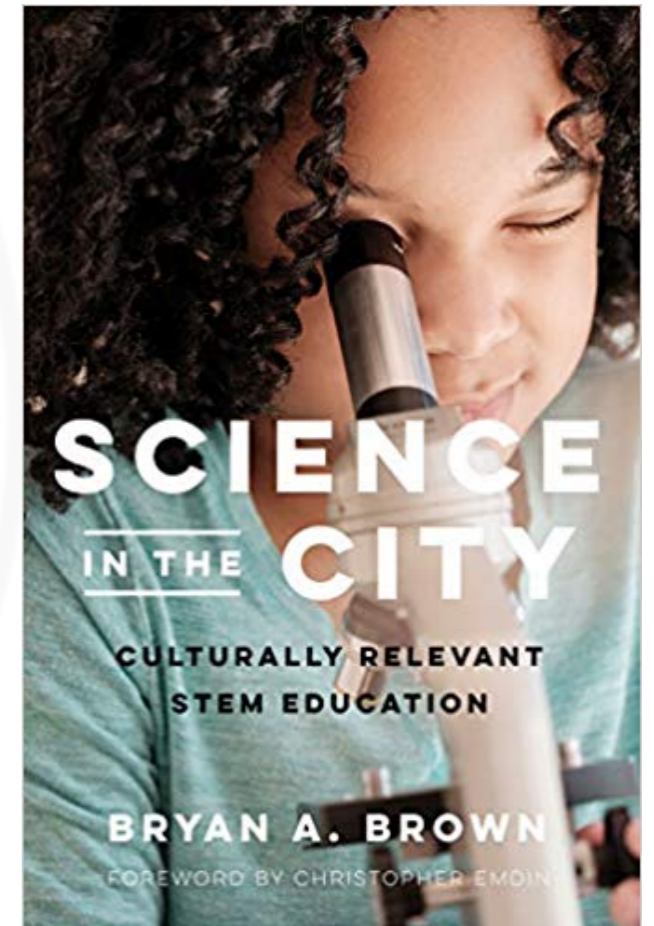
Sample

Tools 4 Teachers

Join The Movement



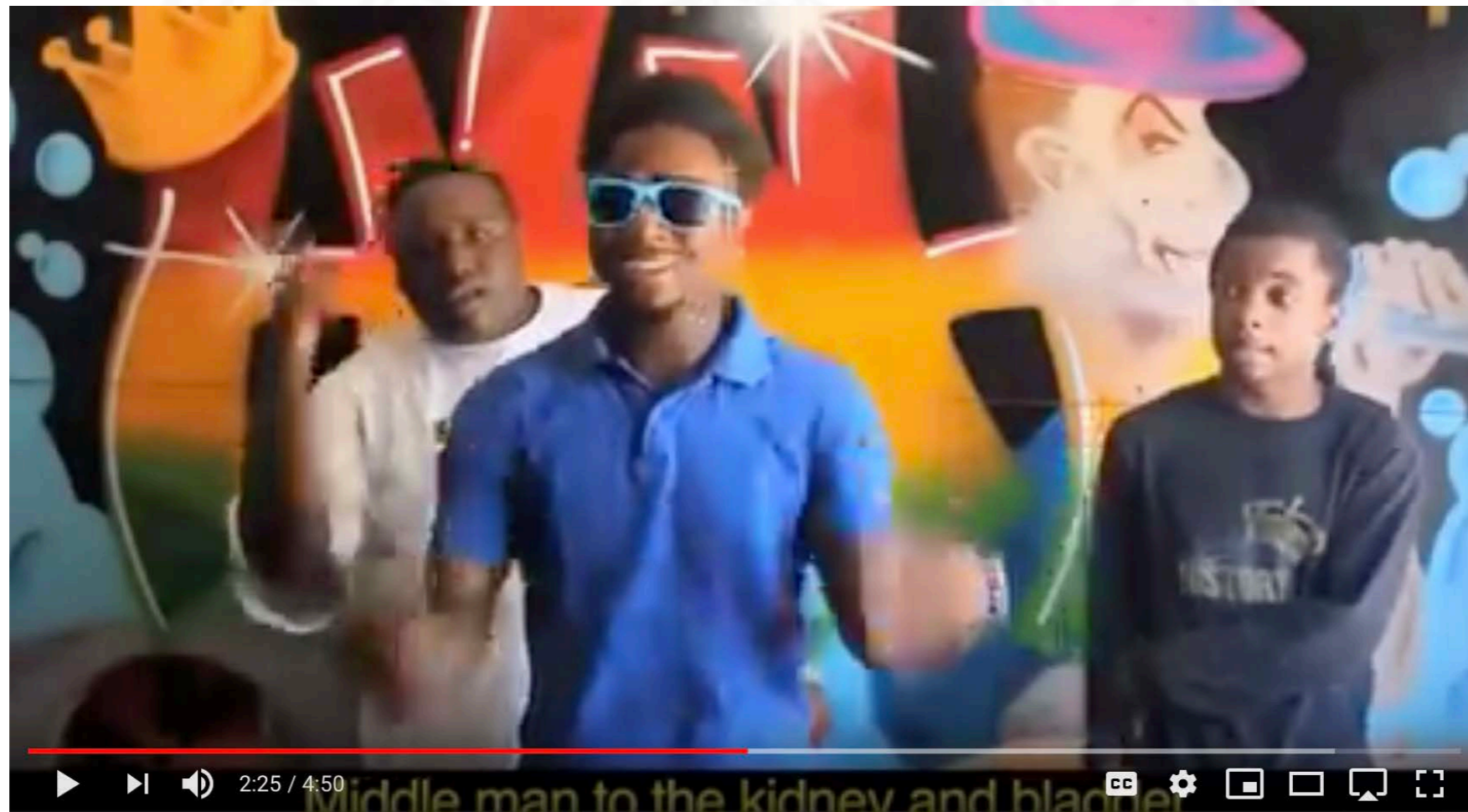
@Doc_B_Brown



<http://scienceinthecity.stanford.edu>

The Technology-Based Bridge

While it may take years to recruit and train black science teachers our technology can be black today?



A Demonstration

Join me at:
www.Nearpod.com

The screenshot shows the Nearpod website interface. At the top, there is a navigation bar with the Nearpod logo and links for 'Learn', 'Explore', 'Schools & Districts', and 'Students'. A search bar labeled 'Enter CODE' is highlighted with a red circle. To the right, there is a 'My Nearpod' button and a menu icon. The main content area has a green background and displays a personalized welcome message: 'Welcome Bryan! School user'. Below this, it says 'We've personalized your homepage just for you! Here's your latest news:'. There are two featured content cards. The first is a large banner for 'Camp Engage! 2019 July 8 - Aug 2' with a camera and a compass icon. The second is a smaller card titled 'FEATURED CONTENT' for 'MALALA YOUSAFZAI ETHNIC STUDIES' with a portrait of Malala. Below the cards, there are labels 'LATEST NEWS' and 'Screenshot'.