WW Teaching Fellowship Virtual Symposium STEM Teaching and Learning During Challenging Times





Alycia Meriweather Deputy Superintendent

Detroit Public Schools Community District Detroit, Michigan

# Covelcome of I'M GLAD YOU'RE HERE

# Teaching and Learning During Challenging Times





## **BREAKOUT ROOM ICEBREAKER**

- Take turns in alphabetical order by first name and share the following: I.Name
- 2. Job details (what do you do and where?)
- 3. What has been most challenging over the last few months in terms of working with students?
- 4. What has been one of the highlights or opportunities that has presented itself while working with students through the challenges?
- 5. What do you hope to get out of today's symposium?

# FORTODAY... Fully Participate Learn Something New Build Community



# Teaching and Learning During Challenging Times





# Challenging Times





DISTANCE

LEARNING





### UNDERSTANDING HISTORICAL AND CURRENT RACIAL INJUSTICE THROUGH BIOMAGNIFICATION ANALOGY



Think about this as we view the next set of slides: What connections do you see between the Biological concept of Biomagnification and historical and current racial injustice?

### "You don't act black."

## "Can I touch your hair?"

## "You're pretty in an exotic way."

### "But, you sound white."

"You're lucky there's affirmative action."

"You don't dress ghetto."

sheknows



### **13 Businesses That Make Black**

### Dolls

Published on June 3, 2018 — in All Posts/Feature Interviews/Shopping Guide/The States — by ShoppeBlack





### Here are some of the Black people killed by police in Maryland:

Freddie Gray Korryn Gaines Tyrone West William Green Anton Black Emmanuel Oates Leonard Shand Robert White Robert Johnson Glenn Tyndell Billy Rucker Eric Garrison Reno Owens Curtis Deal Terrence Thomas Lavar Douglas Dayten Harper Matthew Wood Kimani Johnson Jacai Colson Rashad Opher Mav Hall Prince Jones, Jr Archie Elliott, Jr Finan Berhe Etonne Tanzymore John Feggins Tyrone Banks Ashanti Pinkney Kareem Morgan Marquis Weems Kevin Mason

Jorgens Sydney Christopher Brown Cory Joyner Ryan Deitrich Keston Lewis Tonya Buggs Briatay McDuffie Mark Blocker Maurice Johnson Devonte Bowman Ronald Royal Kareem Ali Rudolph Bell James Coleman Bernard Lofton Sean Gamble Larry Hooker Allen Harvey Yekuna McĎonald Robert Jones Perry Webb Donte Bennett James Norris Tevon Smith Michael Bailev, Jr Patrick Toney Johns Devell Van Johnson Maddox Wallace Young Terrell Derrick Sellman Nathaniel Sassafras

Kotrell Newsome Chester Crestwell Anthony Anderson Chiwengo Angel Gregory Stegall Patrick Fischer, Jr Muhammad Hakeem Anthony Stoakley Mason Hailey Anthony Howard Arnett Myers Chandler Julius Angela Randolph Charles Smith Keith McLeod Spencer McCain Asshams Manley Terry Garnett, Jr Darrell Brown DeOntre Dorsey Dajuan Graham Edward Bright, Sr Gary Boitano Lionel Young Darin Hutchins Ricky Hall Ryan Martin Fednel Rhinvil Gregory Campfield Anthony Trice Gary Hopkins, Jr Kevin Brunson

Rajas McCray George Wells Eric Harris Stephen Wycoff Thomas Miller William Brown Carl D'Andre Johnson Tyrone Brown Winfield Fisher, III Percy Holland William Torbit Erik Stokes James Adell Oladeinde Folahan Rodney Edwards Frederick Miller Robert Saylor Tracy Woodfork Michael Minor Michael Wudtee Sheron Jackson Elijah Glay Delric East Shawn Dean McDonald Tilton James Brown Trayvon Dodson Anthony Hammond John Monroe Emmanuel Okutuga Mikyas Tegegne

ACLU MD











60 YEARS AFTER BROWN V. BOARD, THE CONCENTRATION OF POVERTY AND RACIAL ISOLATION IN OUR PUBLIC SCHOOLS HAS INCREASED. HERE'S JUST ONE SNAPSHOT OF HOW RACIAL DIVIDES IN CLASSROOMS HAVE CREATED A MAJOR WEALTH DISPARITY BETWEEN MINORITY STUDENTS AND WHITES.



#### Horace Mann -



22

Education then, beyond all other devices of human origin, is the great equalizer of the conditions of men, the balance-wheel of the social machinery.



### UNDERSTANDING HISTORICAL AND CURRENT RACIAL INJUSTICE



# **BREAKOUT ROOM**

Start with the person whose birthday is closest to today, who will then make sure that every person in the room has an opportunity to share.

- I. What connections do you see between the Biological concept of Biomagnification and historical and current racial injustice?
- 2. What does this mean for our students, classrooms, schools and systems?



# Possibility

AMERICA IN CRISIS

### SEVENTH NIGHT OF DETROIT PROTESTS

DEMONSTRATIONS HAVE REMAINED PEACEFUL



Paula Kluth, You're Going to Love This Kid

www.brookespublishing.com | 1-800-638-3775



# WHAT IS STEM TEACHING & LEARNING DURING THIS CHALLENGING TIME?



# STEM2.0

Sincerely listen to primary source Stories Tell the Truth that's been shared with you Emphasize and Develop Empathy Moment or Movement?

## **STORIES**



# **Student Voice**

### Do Nothing About Me Without Me

An Action Guide for Engaging Stakeholders By J. COURTNEY BOURNS



**I** Interaction Institute for Social Change



## TELL THE TRUTH THAT'S BEEN TOLD

Ella Wheeler Wilcox -



200

I am the voice of the voiceless; Through me the dumb shall speak. Till the deaf world's ears be made to hear. The wrongs of the wordless weak. And I am my brothers keeper, And I will fight his fights; And speak the words for beast and bird. Till the world shall set things right.



Pity vs. Compassion

AZQUOTES

# EMPHASIZE AND DEVELOP EMPATHY



#### Taught

- Humility
- Forgiveness
- Empathy
- · Optimism
- Compassion

### Hardwired

- Sadness
- Joy
- Disgust
- Anger
- Surprise
- Fear

#### Taught

- Sympathy
- Patience
- Shame
- Cooperation
- Gratitude

The emotional brain can be represented by a keyboard on which children from poverty use fewer keys than well-off children. The six responses represented by the darker shading on the keyboard and in the center box are hardwired in our DNA. The responses represented by the lighter shading must be taught.

Source: Eric Jensen, Teaching with Poverty in Mind

### MOMENT OR MOVEMENT?





### DETROIT PUBLIC SCHOOLS COMMUNITY DISTRIC PEACE PROTEST A MARCH FOR EQUALITY AND JUSTICE FOR AL

#### STUDENTS RISE. WE ALL RISE

For all of us in the fight for educational equality and who believe quality education is a constitutional right.



### Martin Luther King Jr. Senior High School

3200 E. Lafayette Street, Detroit, MI 48207

Marching to the Spirit of Detroit.

PPE Required.

Social Distancing will be enforced.



Office of Family and Community Engagement 13840 Lappin Street + Detroit, MI 48205 Office: 313,873,7490 Email: parent.engagement@detroitk12.org Web: detroitk12.org

25 data nd discionada os the basis of sous salar, salara alexad arga, sous senada anadada, transpolate faledy, disability ago religen, hegiti, vargiti e tabanda, nachida e banky datas, nidiany anasatay pantis alexadas, ara patier lapiday pretented carganya ni is indexidente program and alexiona. Bondinato, Tabanda, Tabandda, Tabanda, Tabanda, Tabanda, Tabanda, Tabandda, Taban

# The power of a teacher has not been diminished during this challenging time.

Use your power to impact long lasting change with your students and the world through





# JUST ONE WORD