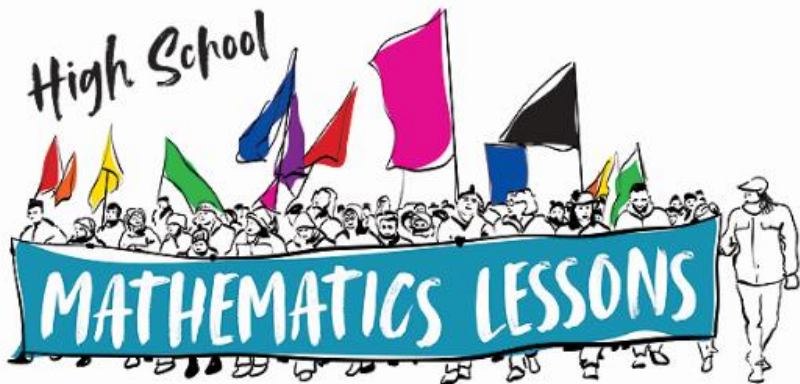




ROBERT Q. BERRY III • BASIL M. CONWAY IV  
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AND COLLEAGUES

WITH  
CONTRIBUTIONS  
FROM OVER 30  
EDUCATORS



TO EXPLORE, UNDERSTAND, AND RESPOND TO

**Social Injustice**

A JOINT PUBLICATION

**CORWIN** Mathematics

 NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS

## NCTM Author Panel October 14, 2020

Connect with us

**Twitter:** @SJMathematics

**Facebook Group:** HS Math Lessons  
to Explore Social Injustice

Robert Q. Berry @robertqberry robertberry@virginia.edu

John W. Staley @jstaley06 jstaley@bcps.org



Why infuse Social Justice into the  
mathematics classroom?

*reply in chat*



# ***A Look Inside High School Mathematics Lessons to Explore, Understand, and Respond to Social Injustice***

## **Part I: Teaching Mathematics for Social Justice**

1. What is Social Justice and Why does It Matter in Teaching Mathematics?
2. Getting Ready for the Classroom
3. Instructional Tools for the Social Justice Mathematics Lesson
4. Teaching the Social Justice Mathematics Lesson

## **Part III: Next Steps**

9. Advice From the Field
10. Creating Social Justice Mathematics Lessons for Your Own Classroom



# Teaching Mathematics for Social Justice

## Helps to...

- build an informed society
- Connect mathematics with students' cultural and community histories
- Empower students to confront and solve real-world challenges they face
- Help students learn to value mathematics as a tool for social change

(p. 23)

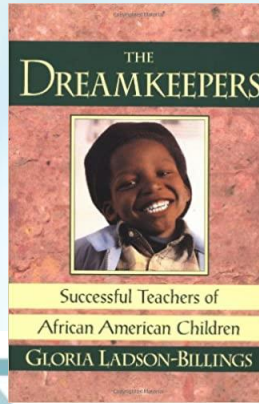
## Broadens the Purposes of Learning Mathematics

- Develop deep mathematical understanding as confident and capable learners (Elem, Middle)
- Expand professional opportunities (High)
- *Understand and critique the world (All)*
- *Experience the wonder joy, and beauty of mathematics (All)*

(NCTM Catalyzing Change Series)



Standards-Based  
Math Instruction  
(SBMI)



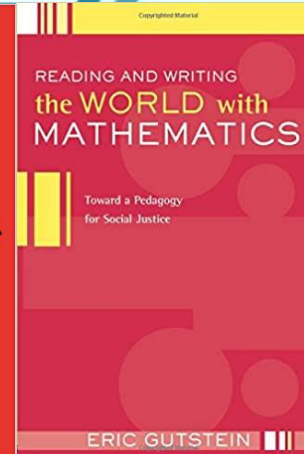
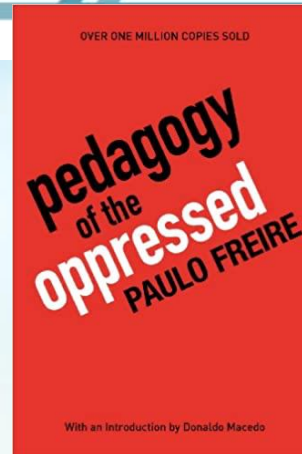
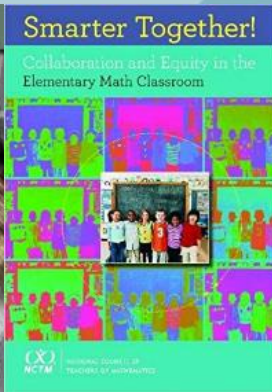
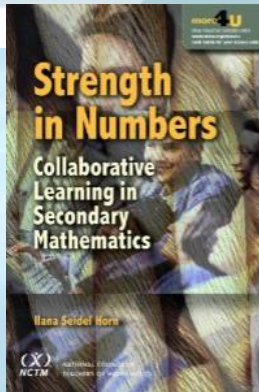
Culturally  
Relevant  
Pedagogy  
(CRP)



Teaching  
Math for  
Social  
Justice  
(TMSJ)

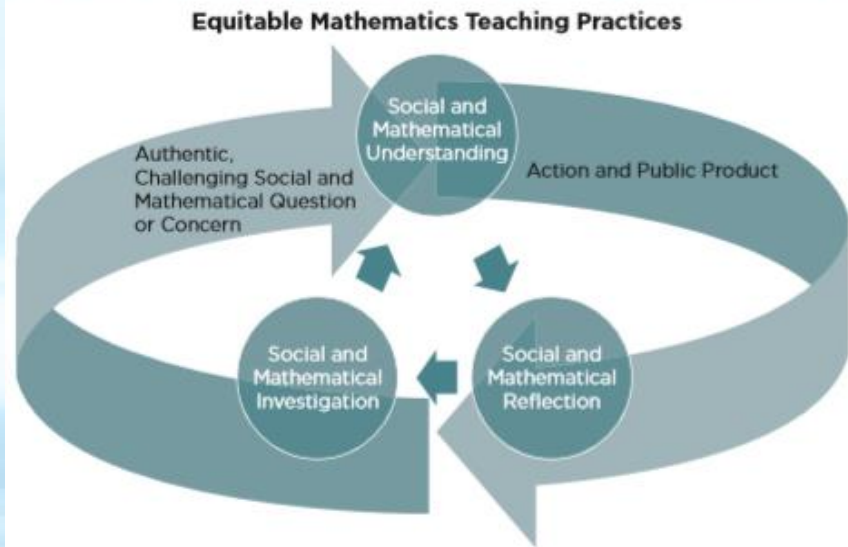
Complex  
Instruction  
(CI)

Critical  
Math  
Education  
(CME)



# Social Justice Mathematics Lesson Framework

Figure 4.1. Framework for the social justice mathematics lessons in this book.



## Elements of SJML Framework

1. Equitable Mathematics Teaching Practices
2. Authentic, Challenging Social and Mathematical Question or Concern
3. Social and Mathematical Understanding
4. Social and Mathematical Investigation
5. Social and Mathematical Reflection
6. Action and Public Product



# A Look Inside *High School Mathematics Lessons to Explore, Understand, and Respond to Social Injustice*

## Part II: Social Justice Mathematics Lessons

5. Number and Quantity
6. Algebra and Functions
7. Statistics and Probability
8. Geometry

22 Lessons  
30+ Educators

### LESSON 5.3: LISTEN TO GISEN

*Bryan Meyer and John W. Staley*

#### **GENDER AND SEXUAL IDENTITY**

In this lesson sequence, students are introduced to the GLSEN School Climate Report. The report details, among many other things, the ways that students who identify as LGBTQ+ are being mistreated in schools. Students organize data from this report into matrix form and use that to calculate the number of students in their own school who may be experiencing these forms of harassment and assault. They analyze their school's efforts to support students who identify as LGBTQ+ and identify ways they can take action to better support their classmates.

[Download Lesson resources](#)



*Teaching Math for Social Justice (TMSJ) is much more than the lessons teachers might implement in their classrooms. It is about the relationships they build with and among students; the teaching practices that help them do that; and the goals to develop positive social, cultural, and mathematics identities—as authors, actors, and doers.*

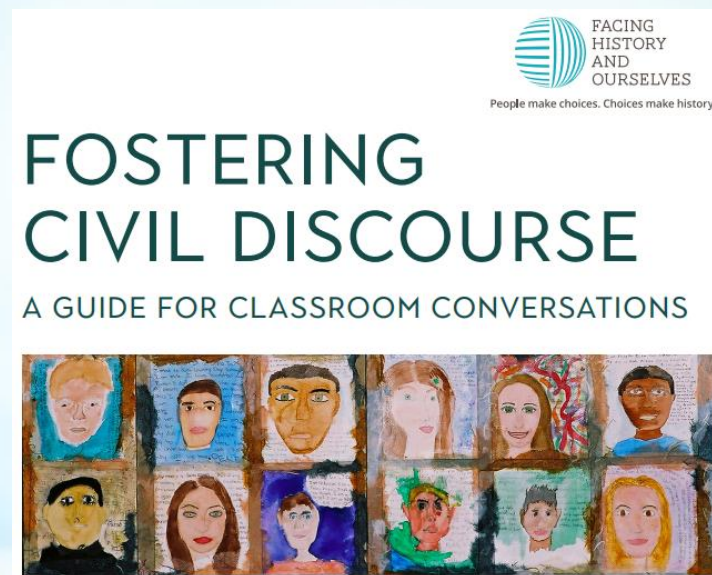




# Resources



[https://www.tolerance.org/sites/default/files/2017-06/TT\\_Social\\_Justice\\_Standards\\_0.pdf](https://www.tolerance.org/sites/default/files/2017-06/TT_Social_Justice_Standards_0.pdf)



[https://www.facinghistory.org/sites/default/files/publications/Fostering\\_Civil\\_Discourse.pdf](https://www.facinghistory.org/sites/default/files/publications/Fostering_Civil_Discourse.pdf)



# Resources

