NCTM Author Panel
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Twitter: @SJMathematics
Facebook Group: HS Math Lessons to Explore Social Injustice

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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


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)
Social Justice Mathematics Lesson Framework

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
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Part II: Social Justice Mathematics Lessons

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

LESSON 5.3: LISTEN TO GLSEN

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.

22 Lessons
30+ Educators

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.facinghistory.org/sites/default/files/publications/Fostering_Civil_Discourse.pdf
Resources

- Principles to Actions
- Taking Action: Implementing Effective Mathematics Teaching Practices
- Catalyzing Change in Early Childhood and Elementary Mathematics
- Catalyzing Change in Middle School Mathematics
- Catalyzing Change in High School Mathematics
- The Impact of Identity in K–8 Mathematics
- The Formative 5: Everyday Assessment Techniques for Every Math Classroom