

APPENDIX A: ADDITIONAL RESOURCES

Additional Examples of Social Justice Mathematics Lessons

- Chao, T., & Marlowe, M. M. (2019). Elementary mathematics and #BlackLivesMatter. *Occasional Paper Series*, 2019(41). <https://educate.bankstreet.edu/occasional-paper-series/vol2019/iss41/9>
- Felton-Koestler, M. D., Simic-Muller, K., & Menéndez, J. M. (2017). *Reflecting the world: A guide to incorporating equity in mathematics teacher education*. Information Age.
- Gutstein, E., & Peterson, B. (Eds.). (2013). *Rethinking mathematics: Teaching social justice by the numbers* (2nd ed.). Rethinking Schools.
- Guzmán, L. D., & Craig, J. (2019). The world in your pocket: Digital media as invitations for transdisciplinary inquiry in mathematics classrooms. *Occasional Paper Series*, 2019(41), 6. <https://educate.bankstreet.edu/occasional-paper-series/vol2019/iss41/6>
- Kinser, K. *STEM by the numbers*. Learning for Justice. <https://www.learningforjustice.org/classroom-resources/lessons/stem-by-the-numbers>
- Learning for Justice. *What do Halloween costumes say?* <https://www.learningforjustice.org/classroom-resources/lessons/what-do-halloween-costumes-say>
- Math and Social Justice: A Collaborative MTBoS Site: <https://sites.google.com/site/mathandsocialjustice/curriculum-resources>
- Mathematical Modeling With Cultural and Community Contexts: <https://sites.google.com/qc.cuny.edu/m2c3/home>
- Turner, B. (2019, January). Open secrets in first-grade math: Teaching about white supremacy on American currency. *Learning for Justice*. <https://www.learningforjustice.org/magazine/open-secrets-in-firstgrade-math-teaching-about-white-supremacy-on-american-currency>
- Ward, J. (2020). Exploring playground access with mathematics. *Mathematics Teacher: Learning and Teaching Pre-K–12*, 113(11), 887–894. <https://doi.org/10.5951/MTLT.2020.0076>
- Ward, J. (2021). Characters like us: Using project-based learning to advocate for representation in media. In J. S. Lee & E. Galindo (Eds.), *Project-based learning in elementary classrooms: Making mathematics come alive*. National Council of Teachers of Mathematics.

Learn More About Elements of TMSJ

- A Pathway to Equitable Math Instruction. *Dismantling racism in mathematics instruction: Exercises for educators to reflect on their own biases to transform instructional practice*. <https://equitablemath.org/>
- Aguirre, J., Mayfield-Ingram, K., & Martin, D. B. (2013). *The impact of identity in K–8 mathematics: Rethinking equity-based practices*. National Council of Teachers of Mathematics.

- Aguirre, J. M. & del Rosario Zavala, M. (2013). Making culturally responsive mathematics teaching explicit: A lesson analysis tool. *Pedagogies: An International Journal*, 8(2), 163–190. <https://doi.org/10.1080/1554480X.2013.768518>
- Bartell, T. G. (2018). *Toward equity and social justice in mathematics education*. Springer.
- Benjamin Banneker Association. (2017). *Implementing a social justice curriculum: Practices to support the participation and success of African-American students in mathematics*. <http://bbamath.org/index.php/2017/11/19/the-benjamin-banneker-social-justice-position-statement/>
- Dingle, M., and Yeh, C. (2021). Mathematics in context: The pedagogy of liberation. *Learning for Justice*. <https://www.learningforjustice.org/magazine/spring-2021/mathematics-in-context-the-pedagogy-of-liberation>
- Drake, C., Aguirre, J. M., Bartell, T. G., Foote, M. Q., Roth McDuffie, A., & Turner, E. E. (2015). *TeachMath learning modules for K–8 mathematics methods courses—Teachers empowered to advance change in mathematics project*. <http://www.teachmath.info>
- Esmonde, I., & Caswell, B. (2010). Teaching mathematics for social justice in multicultural, multilingual elementary classrooms. *Canadian Journal of Science, Mathematics and Technology Education*, 10(3), 244–254. <https://doi.org/10.1080/14926156.2010.504485>
- Felton, M. D. (2010). Is math politically neutral? *Teaching Children Mathematics*, 17(2), 60–63. <https://doi.org/10.5951/TCM.17.2.0060>
- Gewertz, C. (2020). Teaching math through a social justice lens. *EducationWeek*. <https://www.edweek.org/teaching-learning/teaching-math-through-a-social-justice-lens/2020/12>
- Gutstein, E. (2006). *Reading and writing the world with mathematics*. Routledge.
- National Council of Supervisors of Mathematics & TODOS: Mathematics for ALL. (2016). *Mathematics education through the lens of social justice: Acknowledgement, actions, and accountability*. <https://www.todos-math.org/socialjustice>
- Ontario Ministry of Education. (n.d.). *Teaching mathematics through a social justice lens*. <https://thelearningexchange.ca/projects/teaching-mathematicsthrough-a-social-justice-lens/>
- Stinson, D. W., & Wager, A. A. (2012). *Teaching mathematics for social justice: Conversations with educators*. National Council of Teachers of Mathematics.
- Swoveland, M. (2013). On “that’s so gay” and learning math. *Learning for Justice*. <https://www.learningforjustice.org/magazine/on-thats-so-gay-and-learning-math>
- TODOS: Mathematics for ALL (2020). *The mo(ve)ment to prioritize antiracist mathematics: Planning for this and every school year*. <https://www.todos-math.org/statements>
- Wiki for Ideas for Social Justice in Math: <https://sites.google.com/site/mathandsocialjustice/curriculum-resources/wiki-for-ideas-for-social-justice-in-math>

Learn More About Early Elementary Mathematics Teaching

- Borthwick, A., Gifford, S., & Thouless, H. (2021). *The power of pattern: Patterning in the early years*. Association of Teachers of Mathematics (UK). <https://www.atm.org.uk>
- Carpenter, T. P., Fennema, E., Franke, M. L., Levi, L. & Empson, S.B. (2015). *Children's mathematics: Cognitively guided instruction* (2nd ed.). Heinemann. (recommended for the K–2 grade band)
- Carpenter, T. P., Franke, M. L., Johnson, N. C., Turrou, A. C., & Wager, A. A. (2017). *Young children's mathematics: Cognitively guided instruction in early childhood education*. Heinemann. (recommended for the PreK–K years)
- Celadón-Pattichis, S., White, D. Y., & Civil, M. (Eds.) (2017). *Access and equity: Promoting high-quality mathematics in Pre-K–Grade 2*. National Council of Teachers of Mathematics
- Chval, K., Chavez, O., Pomerence, S., & Reams, K. (2009). *Mathematics for every student: Responding to diversity, Grades Pre-K–5*. National Council of Teachers of Mathematics.
- Cohen, E. G., & Lotan, R. A. (2014). *Designing groupwork: Strategies for the heterogeneous classroom* (3rd ed.). Teachers College Press.
- Huinker, D., & Bill, V. (2017). *Taking action: Implementing effective mathematics teaching practices in K–Grade 5*. National Council of Teachers of Mathematics.
- National Council of Teachers of Mathematics. (2020). *Catalyzing change in early childhood and elementary mathematics: Initiating critical conversations*. Author.
- Parks, A. N. (2015). *Exploring mathematics through play in the early childhood classroom*. Teachers College Press.
- Smith, M. S., & Stein, M. K. (2018). *5 practices for orchestrating productive mathematics discussions* (2nd ed.). National Council of Teachers of Mathematics.
- Turrou, A. C., Johnson, N. C., & Franke, M. L. (2021). *The young child and mathematics*. National Association for the Education of Young Children.
- Yeh, C., Ellis, M. W., & Hurtado, C. K. (2017). *Reimagining the mathematics classroom*. National Council of Teachers of Mathematics.

Teaching for Social Justice

Publications

- Agarwal-Rangath, R. (2020). *Planting the seeds of equity: Ethnic studies and social justice in the K–2 classroom*. Teachers College Press.
- Blake, C. (n.d.). *Teaching social justice in theory and practice*. Resilient Educator. <https://resilienteducator.com/classroom-resources/teaching-social-justice>
- Christensen, L., Hansen, M., Peterson, B., Barbian, E., & Watson, D. (2012). *Rethinking elementary education*. Rethinking Schools.
- Cowhey, M. (2006). *Black ants and Buddhists: Thinking critically and teaching differently in the primary grades*. Stenhouse Publishers.
- Gonzalez, J. (2016, February 14). A collection of resources for teaching social justice. *Cult of Pedagogy*. <https://www.cultofpedagogy.com/social-justice-resources>
- Hass, C. (2020). *Social justice talk: Strategies for teaching critical awareness*. Heinemann Publishers.

Retrieved from the companion website for *Early Elementary Mathematics Lessons to Explore, Understand, and Respond to Social Injustice* by Courtney Koestler, Jennifer Ward, Maria del Rosario Zavala, Tonya Gau Bartell, and colleagues. Series Editor Brian R. Lawler. Thousand Oaks, CA: Corwin, www.corwin.com. Copyright © 2023 by Corwin Press, Inc. All rights reserved. Reproduction authorized for educational use by educators, local school sites, and/or noncommercial or nonprofit entities that have purchased the book.

- Kohl, H. (n.d.). *Teaching for Social Justice* 15.2. Rethinking Schools. <https://rethinkingschools.org/articles/teaching-for-social-justice>
- North, C. E. (2015). *Teaching for social justice?: Voices from the front lines*. Routledge.
- Peterson, B. (n.d.). *Teaching for Social Justice* 8.3. Rethinking Schools. <https://rethinkingschools.org/articles/teaching-for-social-justice-8-3>
- Picower, B. (n.d.). *Six elements of social justice pedagogy*. Using Their Words. <http://www.usingtheirwords.org/6elements/>
- Rodriguez, N. N., & Swalwell, K. (2021) *Social studies for a better world: An anti-oppressive approach for elementary educators*. W. W. Norton & Company.
- Sensoy, O., & DiAngelo, R. (2017). *Is everyone really equal?: An introduction to key concepts in social justice education*. Teachers College Press.
- Souto-Manning, M. (2013). *Multicultural teaching in the early childhood classroom: Approaches, strategies, and tools (preschool to 2nd grade)*. Teachers College Press.

Websites and Podcasts

- Abolitionist Teaching Network: <https://abolitionistteachingnetwork.org/>
- Facing History and Ourselves: <https://www.facinghistory.org>
- Great Lakes Equity Center: <https://greatlakesequity.org/>
- Learning for Justice: <https://www.learningforjustice.org/>
- Rethinking Schools: <https://www.rethinkingschools.org>
- TODOS Podcast: <https://www.podomatic.com/podcasts/todosmath> (access through the link or subscribe anywhere you listen to podcasts)

Communities Interested in Teaching Mathematics for Social Justice

- Abolitionist Teaching Network: <https://abolitionistteachingnetwork.org/>
- Black Teacher Project: <https://www.blackteacherproject.org/>
- Education for Liberation Network: <https://www.edliberation.org/>
- Educators for Social Justice & Inclusive Teaching Practices—Facebook: <https://www.facebook.com/groups/1136557443074208>
- Equity and Social Justice in Mathematics Education—Facebook: <https://www.facebook.com/groups/178344199241717>
- Free Minds Free People: <https://fmfp.org/>
- Graphs in the World
 - + Instagram: @graphsintheworld
 - + Facebook: <https://www.facebook.com/graphsintheworld>
- National Network of Teacher Activist Groups: <https://teacheractivists.org/>

- Nepantla Teachers Community: <https://nepantlateachers.wixsite.com/>
- New York Collective of Radical Educators (NYCoRE)—Facebook: <https://www.facebook.com/NYCoRE>
- People’s Education Movement LA
 - + Online: <https://peoplesed.weebly.com/>
 - + Twitter: @peoples_ed
- Social Justice Math—Twitter: @socjusticemath
- Teaching for Change
 - + Online: <https://www.teachingforchange.org>
 - + Facebook: <https://www.facebook.com/TeachingforChange>
- Teaching on Days After: Dialogue & Resources for Educating Toward Justice—Facebook: <https://www.facebook.com/groups/teachingondaysafter>
- Teaching Social Justice Resource Exchange—Facebook: <https://www.facebook.com/groups/teachaboutjustice>
- Witness for Peace Solidarity Collective: <https://www.solidaritycollective.org>

Resources for Building Your Own Social Justice Mathematics Lessons

- A Little Stats: <https://alittlestats.blogspot.com/p/data-sources.html>
- Bigelow, B. (n.d.). *Videos with a global conscience*. Rethinking Schools. <https://rethinkingschools.org/books/rethinking-globalization/videos-with-a-global-conscience>
- Borderlinks: <https://www.borderlnks.org>
- Data for Black Lives: <http://d4bl.org/>
- DATAJUSTICE project: <https://datajusticeproject.net>
- EdGap: <http://edgap.org>
- Gallup: <https://www.gallup.com/>
- Gapminder: <https://www.gapminder.org>
- GLSEN: <https://www.glsen.org>
- Mathematical Modeling with Cultural and Community Contexts: <https://sites.google.com/a/uw.edu/dr-julia-aguirre/research/mathematical-modeling-with-cultural-and-community-contexts-m2c3>
- Smith, D. J. (2011). *If the world were a village: A book about the world’s people* (2nd ed.). Kids Can Press.
- Social Justice Books: <https://socialjusticebooks.org/store/>
- U.S. Census Bureau: <https://www.census.gov/en.html>
- What’s Going on in This Graph? *New York Times*: <https://www.nytimes.com/column/whats-going-on-in-this-graph>