APPENDIX E: LESSONS BY CATALYZING CHANGE MATHEMATICAL CONTENT DOMAINS, SOCIAL JUSTICE OUTCOMES, AND SOCIAL JUSTICE TOPICS

Lessons by Mathematical Content Domain

Mathematical Content Domain	Lesson Title
Whole Numbers and	5.6: Challenging Ableist Assumptions in Mathematics Problems
Operations	6.5: More Than an Athlete
	7.1: Water Is Our Right, Water Is Our Responsibility
	7.2: Upper Elementary Mathematics to Explore People Represented in Our World and Com- munity
	7.3: Single-Use Plastics
Fraction Concepts	5.1: Families Matter
and Operations	5.4: Family Story Problems
	6.1: "Tu lucha es mi lucha": Mathematics for Movement Building
	6.2: Exploring Equitable Pay for Work
	6.3: Modeling Library Funding
	6.4: The Value of a School Lunch
	6.5: More Than an Athlete
	6.6: Your Action Saves Lives: COVID-19 and Systems Thinking
	7.3: Single-Use Plastics
Data Concepts and	5.2: Playground Prejudice
Statistical Thinking	5.3: Who Appears in Billboards?
	5.5: Exploring Maskmatics! Sociocultural and Environmental Concerns With Disposable Masks During COVID-19
	6.2: Exploring Equitable Pay for Work
	6.3: Modeling Library Funding
	6.5: More Than an Athlete
	7.2: Upper Elementary Mathematics to Explore People Represented in Our World and Com- munity

Retrieved from the companion website for *Upper Elementary Mathematics Lessons to Explore, Understand, and Respond to Social Injustice* by Tonya Gau Bartell, Cathery Yeh, Mathew D. Felton-Koestler, Robert Q. Berry III, 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.

Lessons by Social Justice Outcome, Grades 3-5

	Social Justice Outcome, Grades 3-5 (Learning for Justice, 2016)	Lesson Title
Ide	entity	
1	Students will develop positive social identities based on their membership in multiple groups in society.	5.3: Who Appears in Billboards?
2	Students will develop language and historical and cultural knowledge that affirm and accurately describe their membership in multiple identity group.	5.4: Family Story Problems
5	Students will recognize traits of the dominant culture, their home culture, and other cultures and understand how they negotiate their own identity in multiple spaces.	5.1: Families Matter
		5.4: Family Story Problems
		5.5: Exploring Maskmatics! Sociocultural and Environmental Concerns With Disposable Masks During COVID-19
Div	versity	
6	Students will express comfort with people who are both similar to and different from them and engage respectfully with all people.	5.1: Families Matter
		5.3: Who Appears in Billboards?
		5.6: Challenging Ableist Assumptions in Mathematics Prob- lems
7	Students will develop language and knowledge to	5.6: Challenging Ableist Assumptions in Mathematics Prob-
	accurately and respectfully describe how people (including themselves) are both similar to and dif-	lems 7.2: Upper Elementary Mathematics to Explore People Rep-
	ferent from each other and others in their identity groups.	resented in Our World and Community
8	Students will respectfully express curiosity about	5.4: Family Story Problems
	the history and lived experiences of others and will exchange ideas and beliefs in an open-mind-	6.6: Your Action Saves Lives: COVID-19 and Systems Think- ing
	ed way	7.1: Water Is Our Right, Water Is Our Responsibility
		7.2: Upper Elementary Mathematics to Explore People Represented in Our World and Community
9	Students will respond to diversity by building empathy, respect, understanding, and connection.	5.5: Exploring Maskmatics! Sociocultural and Environmental Concerns With Disposable Masks During COVID-19
		5.6: Challenging Ableist Assumptions in Mathematics Prob- lems
		7.3: Single-Use Plastics
10	Students will examine diversity in social, cultural, political, and historical contexts rather than in	6.1: "Tu lucha es mi lucha": Mathematics for Movement Building
	ways that are superficial or oversimplified.	6.2: Exploring Equitable Pay for Work
Ju	stice	
11	Students will recognize stereotypes and relate to people as individuals rather than representatives of groups.	5.4: Family Story Problems

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	Social Justice Outcome, Grades 3-5 (Learning for Justice, 2016)	Lesson Title
12	Students will recognize unfairness on the individual level (e.g., biased speech) and injustice at the institutional or systemic level (e.g., discrimination).	 5.1: Families Matter 5.3: Who Appears in Billboards? 6.1: "Tu lucha es mi lucha": Mathematics for Movement Building 6.2: Exploring Equitable Pay for Work 6.3: Modeling Library Funding
13	Students will analyze the harmful impact of bias and injustice on the world, historically and today	5.2: Playground Prejudice 6.2: Exploring Equitable Pay for Work
14	Students will recognize that power and privilege influence relationships on interpersonal, intergroup, and institutional levels and consider how they have been affected by those dynamics.	 5.5: Exploring Maskmatics! Sociocultural and Environmental Concerns With Disposable Masks During COVID-19 6.3: Modeling Library Funding 6.4: The Value of a School Lunch 6.6: Your Action Saves Lives: COVID-19 and Systems Thinking 7.2: Upper Elementary Mathematics to Explore People Represented in Our World and Community
15	Students will identify figures, groups, events, and a variety of strategies and philosophies relevant to the history of social justice around the world.	6.1: "Tu lucha es mi lucha": Mathematics for Movement Building 7.1: Water Is Our Right, Water Is Our Responsibility
Ac	tion	
16	Students will express empathy when people are excluded or mistreated because of their identities and concern when they themselves experience bias.	5.2: Playground Prejudice
17	Students will recognize their own responsibility to stand up to exclusion, prejudice, and injustice	5.2: Playground Prejudice 5.3: Who Appears in Billboards? 6.5: More Than an Athlete 7.1: Water Is Our Right, Water Is Our Responsibility
18	Students will speak up with courage and respect when they or someone else has been hurt or wronged by bias	6.5: More Than an Athlete
19	Students will make principled decisions about when and how to take a stand against bias and injustice in their everyday lives and will do so despite negative peer or group pressure.	6.1: "Tu lucha es mi lucha": Mathematics for Movement Building 6.2: Exploring Equitable Pay for Work 6.5: More Than an Athlete

Social Justice Outcome, Grades 3-5 (Learning for Justice, 2016)	Lesson Title
20 Students will plan and carry out collective action against bias and injustice in the world and will evaluate what strategies are most effective.	 5.1: Families Matter 5.5: Exploring Maskmatics! Sociocultural and Environmental Concerns With Disposable Masks During COVID-19 6.3: Modeling Library Funding 6.4: The Value of a School Lunch 6.5: More Than an Athlete 6.6: Your Action Saves Lives: COVID-19 and Systems Thinking 7.3: Single-Use Plastics

Lessons by Social Justice Topic

Social Justice Topic	Lesson Title
Bullying and Bias	5.2: Playground Prejudice
Cultural, Racial, and Global Diversity	5.3: Who Appears in Billboards?
	5.4: Family Story Problems 7.2: Upper Elementary Mathematics to Explore People Represented in Our World and Community
Disability/Ableism	5.6: Challenging Ableist Assumptions in Mathematics Problems
Economic Inequality	6.2: Exploring Equitable Pay for Work
Education Justice	6.3: Modeling Library Funding
Environmental Justice	5.5: Exploring Maskmatics! Sociocultural and Environmental Concerns With Disposable Masks During COVID-19
	7.1: Water Is Our Right, Water Is Our Responsibility
	7.3: Single-Use Plastics
Food Insecurity	6.4: The Value of a School Lunch
Health Care Justice	6.6: Your Action Saves Lives: COVID-19 and Systems Thinking
LGBTQIA+ Rights	5.1: Families Matter
Race and Ethnicity	5.3: Who Appears in Billboards?
	6.5: More Than an Athlete
Rights and Activism	6.1: "Tu lucha es mi lucha": Mathematics for Movement Building 6.5: More Than an Athlete