

# **K-12 Amistad Curriculum Resources**

## **Township of Union Public Schools**



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# Purpose

In 2002, the Amistad Bill became law in New Jersey, and the Amistad Commission was created to oversee the implementation of curriculums and educational programs across the state of New Jersey. While the name of the law and the commission pay homage to the enslaved Africans who gained their freedom by overthrowing the crew of the Amistad slave ship, their mission is not merely to insure African American history is taught. Rather the goal of this legislation is “infusion” rather than “inclusion” of African American History. This important distinction is: you cannot accurately study the world without telling everyone's story and understanding *their place within it*. The Amistad Commission’s mission statement summarizes: “that African Americans, and all others excluded from the national narrative, shaped this nation’s trajectory in important ways.” In other words, the agency of Africans, women, indigeous people, and other historically marginalized ethnic groups create a much fuller story of American and world history. After all, history is not something that happened to people; rather, people are the real agents of change.

The Amistad curriculum and summer institutes have molded the Township of Union curriculum for years, especially in Social Studies. This resource is a guide for all stakeholders interested in exploring suggested activities to further enhance understanding of the important histories of marginalized groups and their impact on American history and society. These resources also provide support for encouraging students of all backgrounds to find an active voice in social issues that are important to them, ultimately allowing them to better understand their country - both of origin and of current inhabitants - as well as being an active participant in those societies. Resources feature activities in language arts, mathematics, science, and social studies by grade band (K-2, 3-5, 6-8, and 9-12) and numerous resources are located in curriculum guides, as well.

# Important Resources

[New Jersey Amistad Curriculum](#)

[\*Breaking Bias\* from the New Jersey State Bar Association](#)

[Smithsonian National Museum of the American Indian](#)

[PBS Black Stories and Perspectives](#)

[Digital History Online Database](#)

[Reading Like A Historian | Stanford History Education Group](#)

[The Gilder Lehrman Institute of American History](#)

[Echoes & Reflections](#)

[Facing History and Ourselves](#)

[Trans-Atlantic Slave Trade - Database](#)

[Teaching Hard History | Teaching Tolerance](#)

[Teaching Tolerance - Classroom Lessons](#)

[The Black Past - Primary Sources](#)

[The Anti-Defamation League - Classroom Lessons](#)

## Grades K-2

Subject	Topics	Additional Suggested Resources
Social Studies	<p>Peaceful Lessons from Peaceful Leaders: I'm A Leader, Too!</p> <p>Trading Cards That Honor True Greatness</p> <p>Grace For President</p> <p>Little Leaders: Bold Women in Black History</p> <p>Understanding Segregation</p>	<p><a href="#">Peaceful Lessons from Peaceful Leaders: I'm A Leader, Too!</a></p> <p><a href="#">Trading Cards That Honor True Greatness</a></p> <p><a href="#">Colorful Pages Lesson Plan: "Grace for President"</a></p> <p><a href="#">Little Leaders by Vashti Harrison - Library resources pack</a></p> <p><a href="#">The Other Side</a></p>
Science	<p>Who can be a Scientist?</p> <p>Making History: African-American Pioneers of Science</p> <p>Family Relationships and Astronomy</p> <p>Ada Twist, Scientist (STEM)</p> <p>African Americans in Space</p>	<p><a href="#">Lesson Plan   Draw a Scientist</a></p> <p><a href="#">Black Scientists and Inventors   Black History Month</a></p> <p><a href="#">How Many Stars in the Sky? Printables, Classroom Activities, Teacher Resources</a></p> <p><a href="#">Ada Twist, Scientist by Andrea Beaty - Teaching Resources</a></p> <p><a href="#">Mae Among the Stars Build a Space Shuttle READ ALOUD STEM™</a></p>

<p>ELA</p>	<p>Folktale Activity: Why Frogs and Snakes Never Play Together'</p> <p>'I Am Special Activity'</p> <p>What is a Family?</p> <p>10 African and African American Folktales for Children</p> <p>Broadening the Story: 60 Picture Books Starring Black Mighty Girls</p> <p><i>Amistad's</i> Literacy Components</p> <p>Additional Suggested Titles:</p> <p><i>All Are Welcome</i> by: Alexander Penfold 2020</p> <p><i>The Day you Begin</i> by: Jacqueline Woodson 2018</p> <p><i>Mixed Me!</i> By: Taye Diggs 2015</p> <p><i>Princess Hair</i> by: Sharee Miller 2017</p> <p><i>We're All Wonders</i> by: R.J. Palacio 2017</p> <p><i>The Name Jar</i> by: Yangsook Choi 2003</p> <p><i>Under My Hijab</i> by: Henna Khan 2019</p> <p><i>Malala's Magic Pencil</i> by: Malala Yousafzai 2017</p>	<p><a href="#">Why Frogs and Snakes Never Play Together</a></p> <p><a href="#">'I Am Special'</a></p> <p><a href="#">What is a Family?</a></p> <p><a href="#">10 African and African American Folktales for Children   The New York Public Library</a></p> <p><a href="#">Broadening the Story: 60 Picture Books Starring Black Mighty Girls</a></p> <p><a href="#">Amistad System™</a></p> <p><a href="#">Browse Books That Promote Diversity and Inclusion</a></p> <p><a href="#">Tolerance Book List &amp; Resources</a></p>
<p>Mathematics</p>	<p>Many Shapes and Sizes</p> <p>Feast for Ten (Counting Story)</p> <p>A Swahili Counting Book</p>	<p><a href="#">Many Shapes and Sizes</a></p> <p><a href="#">Feast for 10 by Cathryn Falwell   Learn Numbers &amp; Counting</a></p> <p><a href="#">Moja Means One</a></p>

## Grades 3-5

Subject	Topics	Additional Suggested Resources
Social Studies	Race and Identity	<a href="#">The Skin I am In Lesson</a> <a href="#">Racism in Rules and Laws</a> <a href="#">Different Colors of Beauty Lessons</a> <a href="#">Prejudice Reduction Lesson</a>
	Indigenous History and Modern Culture	<a href="#">Indigenous Groups of the World Map</a> <a href="#">The Story Beads Could Tell lesson</a> <a href="#">Art and History interactive museum exhibit</a> <a href="#">Native Peoples of the Pacific Northwest interactive exhibit</a> <a href="#">Thanksgiving lesson ideas</a>
	Civil War Era	<a href="#">Harriet Tubman Web Hunt   The Underground Railroad</a> <a href="#">The Breathtaking Courage of Harriet Tubman - Janell Hobson</a> <a href="#">Black Soldiers in the Civil War Primary Source lesson</a> <a href="#">Celebrating Juneteenth</a>
	Great Migration	<a href="#">Moving Out! The Great Migration: Journey to the North</a> <a href="#">Tar Beach, by Faith Ringgold</a>
	Civil Rights Era	<a href="#">Civil Rights Movement, Game 1: A History Mystery Activity</a> <a href="#">Rosa Parks video biography</a>
	Culture & Geography	<a href="#">UNESCO World Heritage site</a> <a href="#">Google Maps</a> <a href="#">Music from All Around the World</a>

		<a href="#">The African Diaspora list of resources</a>
Science	<p>Human Origins</p> <p>Women in STEM</p> <p>African American Inventors</p> <p>Images of Science</p> <p>Technology and Inequality</p> <p>Who Does Science?</p>	<p><a href="#">“Uncovering our African Past Through Tracks and Bones” by NJSBF’s Breaking Bias Curriculum</a></p> <p><a href="#">Women who have made an impact in science, technology, engineering, and mathematics</a></p> <p><a href="#">“The Woman who saved the U.S. space race” animated video</a></p> <p><a href="#">Contributions made to science and society by Vicki Cobb</a></p> <p><a href="#">Famous African Americans whose inventions have changed the worlds of medicine, technology, and transportation.</a></p> <p><a href="#">Five black chemists who changed the world</a></p> <p><a href="#">Diversity in the Science Field</a></p> <p><a href="#">Who has Access to Technology?</a></p> <p><a href="#">Article</a> which uses data to explore society, inequality, and social justice in the context of science.</p>
ELA	<p>Fiction</p> <p>Non-Fiction</p>	<p><b>Suggested texts include:</b></p> <p>“A Song for Suffrage” by Bobbi Katz</p> <p>“Another Mountain” by Abiodun Oyewole</p> <p><i>Destiny’s Gift</i> by Natasha Tarpley</p> <p>“Las manos de mi madre/My Mother 's Hands” by Francisco X. Alarcón</p> <p><i>Mr. Lincoln’s Way</i> by Patricia Polacco</p> <p><i>The Legend of the Indian Paintbrush</i> by Nathan King</p> <p><i>The Road to Freedom</i> by Lesa Cline-Ransom</p> <p><i>The Snowy Day</i> by Ezra Jack Keats</p> <p><b>Suggested texts include:</b></p>





	<p>Additional Activities</p>	<p><a href="#">Online Activism</a>  <a href="#">3-12 Activities and Resources related to AL Bus Boycott</a>  <a href="#">Prejudice and Bias - Why Frogs and Snakes Never Play Together</a>  <a href="#">Historical Dialogue, Art/Performance Review, List Poem, Issue Debate</a>  <a href="#">Impact of US Expansion - ADL Resources, readings, and critical thinking/writing activities</a>  <a href="#">Dream in Color - Activities and Poetry Collection</a>  <a href="#">Explanatory Writing about Racism - Chavis' essay "American Needs to Change"</a>  <a href="#">Confronting Bias with Fifth Graders: Using the Draw-A-Scientist Experiment and the Covers of Picture Books To Help Students Recognize the Biases They Hold</a>  <a href="#">Community Inquiry Discussion Strategies</a></p>
<p>Mathematics</p>	<p><b>Social Justice in Mathematics</b></p> <p>There are, at least, two related ideas behind Social Justice in Mathematics. The first is that you can use mathematics to teach and learn about issues of social and economic justice. The second is that you can learn math through the study of social justice issues - the development of mathematical literacy itself being an incredibly important social justice issue.</p> <p><b>Sample Social Justice in Mathematics</b></p>	<p><a href="#">Radical Math</a>: includes lessons on topics for social justice in mathematics</p> <p><a href="#">Campbell-Kibler Associates</a>: organization conducting research on gender equity in math, science, and technology education</p> <p><a href="#">Practical Uses of Math and Science</a></p> <p><a href="#">The Compatibility of Good Mathematics Tasks with Good Multicultural Teaching Strategies</a></p> <p><a href="#">Multicultural Math Fair: Links for Activities</a></p> <p><a href="#">6 Ways Mathematics Instructors Can Support Diversity</a></p>

	<p><b>Ideas (3-5)</b></p> <p><i>Addition</i></p> <p><i>Statistics</i></p> <p><i>Estimation</i></p> <p><i>Geometry</i></p> <p><b>Influences in Mathematics</b></p>	<p>Basic Family Budgets</p> <p><a href="#">Family Budget Calculator</a></p> <p>Students will integrate and evaluate statistical data through writing and illustration (<a href="#">STEM for all</a>)</p> <p>Students use data to analyze the participation of white, black, Asian and Hispanic men and women in STEM careers as compared with their participation in the general workforce. They then discuss the possible reasons identity groups are unequally represented in STEM careers (<a href="#">STEM by the numbers</a>)</p> <p>Students learn how the federal government estimates the <a href="#">poverty line</a></p> <p>Use a map to locate instances of <a href="#">environmental injustice</a></p> <p><a href="#">Biographies of Women Mathematicians</a>  <a href="#">Women in Math Project</a></p> <p><a href="#">Native American Geometry</a>  <a href="#">Native American Mathematics Activities</a>  <a href="#">Mayan Mathematics</a></p> <p><a href="#">STEM lessons to celebrate African Americans in Mathematics</a>  <a href="#">History of Black Women in Mathematics</a>  <a href="#">"I Have a Dream" Lesson</a> - Analyzing Census Data  <a href="#">NCTM President's Message</a> - "How do we help teachers teach math to Black kids?"</p>
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## Grades 6-8

Subject	Topics	Suggested Resources
Social Studies	<p><b><u>Humans &amp; Geography</u></b>            Prejudice Reduction            Social Construction of Race            Geography stations/Cultures Around the World            The Middle Passage through the lens of Geography            Globalization            Indigenous History and Culture</p> <p><b><u>World History</u></b>  <i>Ancient River Valley Civilizations</i>            Black Kingdoms of the Nile (Kingdom of Kush)            Egyptian Pharaohs</p> <p><i>African Kingdoms</i>            Mansa Musa and the Mali Empire            African Kingdoms &amp; the Wonders of the Ancient World</p> <p><i>Renaissance and Reformation</i>            Religion in Ethiopia and Subsaharan Africa            Spread of Muslim Empires in North Africa/Europe</p> <p><b><u>U.S. History</u></b>  <i>Pre-Columbian Period &amp; Colonial Period</i>            Indigenous People</p>	<p><a href="#">Ted Talk - "The Dangers of a Single Story"</a>  <a href="#">"How would you identify?" Lesson</a>  <a href="#">Introduction to Geography/Cultures Around the World</a>  <a href="#">Middle Passage Poem</a>  <a href="#">Globalization Classroom Skit/Play</a>  <a href="#">Indigenous Art and History interactive museum exhibit</a></p> <p><a href="#">Ancient and Medieval Africa Map</a>  <a href="#">Ancient Nubia/Kush Webquest</a>  <a href="#">Imhotep and Powerful Rulers in Africa Webquest</a>  <a href="#">Kingdom of Axum article</a>  <a href="#">Aksum travel guide</a>  <a href="#">Africa's Great Civilizations</a></p> <p><a href="#">Mansa Musa Reading Annotations Activity</a>  <a href="#">The Road to Timbuktu Webquest</a></p> <p><a href="#">The Legacy of Christianity in Ethiopia</a>  <a href="#">Umayyad Caliphate and Islamic Golden Age</a></p> <p><a href="#">Indigenous Groups of the World Map</a>  <a href="#">Highlighting the role of the Powhatans</a></p>

	<p>Irish &amp; African indentured servants and enslaved peoples  Free Black Societies  Transition to race-based slavery</p> <p><u><i>American Revolution</i></u>  Enlightenment, Black Churches &amp; the Great Awakening  Indigenous Americans in the Pre-Revolutionary Period  Crispus Attucks and the Boston Massacre  Causes of the Revolution and Civil Liberties  Black Soldiers in the American Revolution  Black Poetry and the Arts</p> <p><u><i>The U.S. Constitution</i></u>  Three-Fifths Compromise &amp; Congressional Representation  Constitution  Barriers to Votings  Reconstruction Amendments</p> <p><u><i>A New Republic and Expansion</i></u>  Haitian Revolution  Barbary Pirates and Foreign Policy  Louisiana Purchase  Citizenship  Slavery and George Washington  Indian Removal Act  US-Mexican War</p>	<p><a href="#">The First Africans   Historic Jamestowne</a>  <a href="#">Free Black Societies in Virginia</a>  <a href="#">Slavery and Wall Street in New York City</a>  <a href="#">New York Slave Auction Secondary Source</a>  <a href="#">Bacons Rebellion and the Transition to Slavery</a></p> <p><a href="#">Black Churches during the Great Awakening</a>  <a href="#">Indigenous Perspectives of the French and Indian War</a>  <a href="#">Crispus Attucks and the Boston Massacre Video Clip</a>  <a href="#">African Americans in the American Revolution</a>  <a href="#">The Revolution's Black Soldiers</a>  <a href="#">Phillis Wheatley Primary and Secondary Sources</a></p> <p><a href="#">Myths Around the Three-Fifths Compromise Article</a>  <a href="#">Constitution Center Virtual Exhibits</a>  <a href="#">Suppressing the Black Vote</a>  <a href="#">Reconstruction Amendments</a></p> <p><a href="#">Haitian Revolution Video Fact Sheet</a>  <a href="#">Barbary States and Foreign Relations</a>  <a href="#">Slavery and the Louisiana Purchase</a>  <a href="#">Timeline of Census Categories for Race</a>  <a href="#">Black Soldiers in the War of 1812</a>  <a href="#">Enslaved People at Mount Vernon Virtual Exhibit</a>  <a href="#">American Indian Removal interactive museum exhibit</a>  <a href="#">Trail of Tears virtual museum exhibit</a>  <a href="#">How did Nations try to Avoid Removal?</a>  <a href="#">Treaties between the U.S. and Indigenous Nations Exhibit</a>  <a href="#">Was the U.S. Justified in Going to War with Mexico?</a></p>
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	<p><u><i>Civil War and Reconstruction</i></u>          Slavery and the Causes of the Civil War          Black Participants in the Civil War          54th Massachusetts Volunteers          John Brown and The Assault on Harpers Ferry          Emancipation Proclamation          From Slave to Sharecropper          Free Blacks during the Civil War</p>	<p><u><a href="#">Declaration of Causes for Secession</a></u>  <u><a href="#">Robert Smalls, Decorated War Hero and U.S. Congressman</a></u>  <u><a href="#">Close Reading text about Black Participants in the War</a></u>  <u><a href="#">Glory Film Analysis and Study Guide</a></u>  <u><a href="#">John Brown's Black Raiders Close-Reading Analysis</a></u>  <u><a href="#">Close-Reading of the Emancipation Proclamation</a></u>  <u><a href="#">Reconstruction/Sharecropping Classroom Skit</a></u>  <u><a href="#">Emilie Frances Davis' diaries</a></u>  <u><a href="#">How Free were Free Blacks in the North?</a></u></p>
Science	<p>Archaeology</p> <p>Biology</p> <p>Scientists</p> <p>Indigenous Influence</p>	<p><u><a href="#">"Mapping our Roots" lesson</a></u></p> <p><u><a href="#">Human skin color variation</a></u>  <u><a href="#">The Science of Skin Color</a></u></p> <p><u><a href="#">Biographies of current and former NASA astronauts</a></u>  <u><a href="#">Black History Month at NASA</a></u>  <u><a href="#">Hispanic Heritage Month at NASA</a></u>  <u><a href="#">Native American Heritage Month at NASA</a></u>  <u><a href="#">"10 Game Changing Hispanic Scientists" Mental Floss</a></u>  <u><a href="#">Just 18 Really Awesome Native Folks in STEM   by</a></u>  <u><a href="#">Women of Silicon Valley   10 Questions</a></u>  <u><a href="#">African American STEM Leaders You Need to Know (If You Don't Already)</a></u></p> <p><u><a href="#">Engineering in the Inca Empire</a></u></p>
ELA	Fiction/Poetry	<p><b>Suggested texts include:</b>          "An Hour with Abuelo" by Judith Ortiz Cofer          "Black Cowboy, Wild Horses" by Julius Lester</p>

	<p>Non-Fiction</p>	<p>         “I Was a Skinny Tomboy Kid” by Alma Luz Villanueva          “Lineage” by Maragaret Walker          “Mother to Son” by Langston Hughes          “Sonnet Without Salmon” by Sherman Alexie          “Thank You Ma’m” by Langston Hughes          “The Circuit” by Francisco Jiménez          “The Medicine Bag” by Virginia Driving Hawk Sneve          from <i>Bad Boy</i> by Walter Dean Myers          from <i>Brown Girl Dreaming</i> by Jacqueline Woodson          from <i>I Know Why the Caged Bird Sings</i> by Maya Angelou          from <i>Lewis &amp; Clark</i> by Nick Bertozzi          from <i>Sacajawea</i> by Joseph Bruchac  <i>Homeless Bird</i> by Gloria Whelan  <i>Inside Out &amp; Back Again</i> by Thannha Lai  <i>Long Walk to Water</i> by Linda Sue Park  <i>The House on Mango Street</i> by Sandra Cisneros  <i>They Called Us Enemy</i> by George Takei  <i>Warriors Don’t Cry</i> by Melba Pattillo Beals       </p> <p><b>Suggested texts include:</b></p> <p>         "A Simple Act" by Tyler Jackson          "An Invisible Thread" by Schroff &amp; Tresniowski          “A Young Tinkerer Builds a Windmill” by Sarah Childress          “Apache Girl's Rite of Passage” from <i>National Geographic</i>          “Barrington Irving, Pilot, and Educator” by <i>National Geographic</i>          “Ellen Ochoa: Director, Johnson Space Center” by Ellen Ochoa          “Facing the Lion: Growing Up Maasai on the African Savanna” by Joseph Lemasolai Lekuton          “Harriet Tubman: Conductor on the Underground Railroad” by Ann Petry          “How Grandmother Spider Stole the Sun” by Caduto and Bruchac       </p>
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	<p>Additional Text Collections</p> <p>Narrative Writing</p> <p>Persuasive Writing</p> <p>Explanatory Writing</p>	<p>“Learning to Love My Mother” by Angelou and Maher  “Michaela DePrince: The War Orphan Who Became a Ballerina” by William Kremer  “Neil deGrasse Tyson on the Future of US Space Exploration” by Keith Wagstaff  “Quinceanera Birthday Bash Preserves Tradition” by Natalie St. John  “Teens and Technology Share a Future” by Stefan Etienne  “The Legacy of Arctic Explorer Matthew Henson” by James Mills  from <i>A Long Way Home</i> by Sairoo Brierly  from <i>Mom &amp; Me &amp; Mom</i> by Maya Angelou  from <i>Through My Eyes</i> by Ruby Bridges</p> <p><a href="#">Book Lists compiled by the Black Caucus ALA</a>  <a href="#">Book Lists by ADL - identify, bias, and bullying</a>  <a href="#">Social Justice Book Lists</a> including activism, Black history, slavery &amp; resistance, and racial identity and indigenous peoples  <a href="#">Diverse (BIPOC) Book Finder</a>  <a href="#">The Amistad Commission’s Literacy Components</a></p> <p>Unit PBA: Write a narrative in which the link is clear between what one generation can learn from another - specifically what we can learn from the past.</p> <p>Unit PBA: Write a persuasive essay explaining when it is right to take a stand for what you believe.</p> <p>Unit PBA: Write an explanatory essay detailing how people can overcome adversity in the face of overwhelming obstacles.  Unit PBA: Write an explanatory essay detailing the kinds of events that can cause a significant change in someone’s</p>
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	<p>Additional Activities</p>	<p>life.  Unit PBA: Write an explanatory essay detailing how literature can help us remember and honor historical tragedy from the past.  Unit PBA: Write an explanatory essay detailing how the differences between people - including different kinds of intelligences - can be valuable.</p> <p><a href="#">Dream in Color - Activities and Poetry Collection</a>  <a href="#">3-12 Activities and Resources related to AL Bus Boycott</a>  <i>Framework for Teaching Social Justice</i> presentation by Dr. Kia Heise (provided via PD to staff)  “1 AM” poetry  <a href="#">Historical Dialogue, Art/Performance Review, List Poem, Issue Debate</a>  <a href="#">Explanatory Writing about Racism - Chavis’ essay</a>  <a href="#">The Pyramid of Hate</a>  <a href="#">Lewis and Clark: The Unheard Voices</a>  <a href="#">Believe in Something: Nike, Kaepernick, and Social Change</a>  <a href="#">There is No Apolitical Classroom: Resources from the National Council of Teachers of English</a>  <a href="#">Community Inquiry Discussion Strategies</a>  <a href="#">Change Agents in Our Own Lives</a>  <a href="#">Timeline of School Integration</a></p>
<p>Mathematics</p>	<p><b>Social Justice in Mathematics</b></p> <p>There are, at least, two related ideas behind Social Justice in Mathematics. The first is that you can use mathematics to teach and learn about issues of social and economic justice. The second is that you can learn math through the study of social justice issues -</p>	<p><a href="#">Radical Math</a>: includes lessons on topics for social justice in mathematics  <a href="#">Campbell-Kibler Associates</a>: organization conducting research on gender equity in math, science, and technology education</p>

the development of mathematical literacy itself being an incredibly important social justice issue.

**Sample Social Justice in Mathematics Ideas (6-8)**

*Averages*

*Fractions*

*Percents*

*Slope*

[Practical Uses of Math and Science](#)

[The Compatibility of Good Mathematics Tasks with Good Multicultural Teaching Strategies](#)

[Multicultural Math Fair: Links for Activities](#)

[6 Ways Mathematics Instructors Can Support Diversity](#)

[Union Salaries](#) - Union officials and Management often have various methods to derive the “average salary” of a worker. Use real data to understand how the mean, median, or mode could each be used here, and the difference between the average each

[War Budgets](#) - Comparing budgets for the defense department to budgets from other countries/or to the total budget

[Interest and Compound Interest Lesson](#)

- Making money through a Savings Account
- Increasing debt on a Credit Card
- Payday and Tax Refund Loans
- [Predatory Lending](#)
- Mortgage Payments
- APR– how it works, comparing different APR's

**Growth Rate**

- Determine growth in rates of homeless, poverty, etc.



[Native American Geometry](#)

[Native American Heritage Month Mathematics Activities](#)

[Native American Lesson Plan Ideas](#)

[Maya Math Game](#)

[Using Native American Legends to Teach Mathematics](#)

[STEM lessons to celebrate African Americans in Mathematics](#)

[Calculate The Distance of the Trans-Atlantic Slave Trade Lesson](#)

[Design a Census](#)

[Hidden Figures Resources](#)

[NCTM President's Message](#)

[Biography of a Latina, Latino, or Hispanic Mathematicians](#)

[Hispanics Who Have Led The Way In Math](#)

[Islamic Art Lessons](#)

[Golden Age of Islam: Mathematics](#)

# Grades 9-12

Subject	Topics	Suggested Resources
Social Studies	<p><b><u>Sociology</u></b> The Social Construction of Race</p> <p><b>Modern World History</b></p> <p><i>Connecting Hemispheres</i> The Renaissance African Kingdoms Islamic Contributions and the Golden Age MesoAmerican Societies Colonization of the Americas Trans-Atlantic Slave Trade</p> <p><i>Absolutism to Revolution</i> Enlightenment Ideas and African Thinkers Napoleon in North Africa Haitian Revolution South America</p> <p><i>Industrialism and the Race for Empire</i> African Imperialism Rebellions against imperialism</p>	<p><a href="#">“The Social Construction of Race: Why is it an illusion?” Lesson</a>  <a href="#">Race: The Power of an Illusion</a>  <a href="#">Timeline of Census Categories for Race</a>  <a href="#">What Census Calls Us Infographic</a></p> <p><a href="#">African Presence in Renaissance Europe</a>  <a href="#">The Black Tudors by Miranda Kaufmann</a>  <a href="#">Mansa Musa</a>  <a href="#">Expansion of the Early Islamic Empire</a>  <a href="#">Ibn Battuta of Morocco</a>  <a href="#">Mayan Cities</a>  <a href="#">Aztec lessons</a>  <a href="#">Conquest of Mexico</a>  <a href="#">Middle Passage primary sources</a></p> <p><a href="#">Ancient and Medieval African Empires</a>  <a href="#">Black Enlightenment Thinkers - Zera Yacob</a>  <a href="#">The Egyptian Campaign during the French Revolution</a>  <a href="#">Haitian Revolution primary sources</a>  <a href="#">Haitian Revolution assessments</a>  <a href="#">South American Independence summaries</a></p> <p><a href="#">Partition of Africa</a>  <a href="#">Orders of Extermination during African Imperialism</a>  <a href="#">Battle of Adwa</a></p>

	<p>Opium Trade and Chinese Empires Colonial control of India</p> <p><u><i>The Era of the Great Wars</i></u> League of Nations European events Conflict in Asia</p> <p><u><i>The 20th-Century since 1945</i></u> Asia Africa Middle East</p> <p><u><b>U.S. History I and II</b></u></p> <p><i>Pre-Columbian/Columbian Eras</i> Americans in 1491 Slave Trade Database Contrasting Accounts of Colonization</p> <p><i>Colonial Period</i> Divide and Conquer and the Origins of the Color Line Slavery in the Middle Colonies Indigenous encounters</p> <p><i>American Revolution</i> Diverse experiences of the American Revolution Enslaved Women and Interpretations of Freedom</p>	<p><a href="#">Aba Women's War</a></p> <p><a href="#">Historians' Perspective on the Bloodiest Civil War in Chinese History</a> <a href="#">Sepoy Rebellion</a> <a href="#">League of Nations</a> <a href="#">The Limits of Democracy in Weimar Germany</a> <a href="#">Invasion of Nanking</a></p> <p><a href="#">Partition of India</a> <a href="#">Korean War comparative sources</a> <a href="#">Apartheid in South Africa</a> <a href="#">African History and Independence Movements Links</a> <a href="#">The Arab-Israel Conflict</a></p> <p><a href="#">Wampanoag and the Pilgrims article</a> <a href="#">Chesapeake Peoples lesson plans</a> <a href="#">Before Columbus: The Americans of 1491 Book Analysis</a> <a href="#">Trans-Atlantic and Intra-American Slave Trade Database</a> <a href="#">Columbus and Las Casas Teacher Guide</a></p> <p><a href="#">Colonial Laws primary/secondary source analysis</a> <a href="#">New York Slavery Walking Tour</a> <a href="#">King Philip's War Lesson</a></p> <p><a href="#">Season of Independence Virtual Exhibit</a> <a href="#">Finding Freedom Virtual Exhibit</a> <a href="#">The American Revolutionaries E-Book</a> <a href="#">Mum Bett's Freedom Tale</a></p>
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	<p><i>U.S. Constitution</i>  Slavery and the U.S. Constitution  Fugitive Slave Clause and Runaways  Diversity in Congress</p> <p><i>New Nation and Expansion</i>  Lives of free Africans and African Americans  Irish immigrants and Blackface Minstrelsy  Expansion of Slavery and Resistance  Westward Expansion  Indigenous Treaties and Removal</p> <p><i>Civil War and Reconstruction</i>  Black Regiments in the American Civil War  Relationships between Irish immigrants and free Blacks  Black Progress and Backlash during Reconstruction  <i>Birth of a Nation</i> and the Lost Cause Narrative of Civil War  Forced Assimilation</p> <p><i>The Progressive Era</i>  Reforms  Wilmington Massacre  Ida B. Wells and Resistance to Lynchings  Italian and Mexican American Lynchings  Jim Crow, Lynching, the Nadir of Race Relations  W.E.B. Du Bois</p>	<p><a href="#">Constitution Role Play Simulation</a>  <a href="#">Imagining the Lives of Runaway Enslaved People</a>  <a href="#">Yarrow Mamout's portrait and story</a>  <a href="#">Black Americans in Congress</a>  <a href="#">Diversity in the Senate</a></p> <p><a href="#">African American Newspapers primary source lesson</a>  <a href="#">Historians' perspectives on Minstrel shows in the U.S.</a>  <a href="#">Poetry of Defiance: How the Enslaved Resisted</a>  <a href="#">Spanish colonization of California</a>  <a href="#">Bridget "Biddy" Mason, landowner</a>  <a href="#">American Indian Removal interactive museum exhibit</a>  <a href="#">Trail of Tears virtual museum exhibit</a>  <a href="#">How did nations try to avoid removal? Lesson</a>  <a href="#">Treaties between the U.S. and indigenous nations exhibit</a></p> <p><a href="#">Colored Troops Primary Sources</a>  <a href="#">1863 Draft Riots and Backlash During the Civil War</a>  <a href="#">Historians' perspective on the end of Reconstruction</a>  <a href="#">Film review close-reading activity of <i>Birth of a Nation</i></a>  <a href="#">Letters from Previously Enslaved People to Enslavers</a>  <a href="#">Native American Boarding Schools Podcast</a></p> <p><a href="#">Progressive Era Reforms</a>  <a href="#">Wilmington, NC Massacre and Coup d'etat</a>  <a href="#">Biography of Ida B. Wells</a>  <a href="#">Origins of Lynching in the United States</a>  <a href="#">Jim Crow Era Primary/Secondary Resource Guide</a>  <a href="#">Biography of Du Bois</a></p>
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	<p><i>World War I and the 1920s</i>  Black Soldiers in World War I  Indigenous contributions in WWI  Causes of Racial Uprisings in the United States  Greenwood District and the Tulsa Race Riots  Exclusion of Chinese Americans  Immigration  Culture</p> <p><i>Depression &amp; The New Deal</i>  African Americans and the New Deal  Poverty during the Great Depression  FDR's African American Advisors  Redlining and Home Ownership</p> <p><i>World War II and Postwar</i>  Indigenous contributions  Women's contributions  G.I. Bill and WWII Veterans' Benefits  Creating the Middle Class  Segregation</p>	<p><a href="#">Collection of African-American Soldiers Recruiting African American Soldiers in WWI Primary Source Lesson</a>  <a href="#">Harlem Hellfighters Primary Source excerpts</a>  <a href="#">Indigenous Code Talkers interactive exhibit</a>  <a href="#">Code Talkers Interview Video</a>  <a href="#">Iroquois nurses in WWI article</a>  <a href="#">The Red Summer Classroom Skit</a>  <a href="#">Online Exhibit of Black Wall Street</a>  <a href="#">Lum v Rice: Supreme Court Immigration Decision</a>  <a href="#">Mexican Americans in the 1920s</a>  <a href="#">Harlem Renaissance Virtual Exhibit</a>  <a href="#">Music Exhibit</a></p> <p><a href="#">Interpretations of New Deal Beneficiaries</a>  <a href="#">The Writer's Project: Slavery Narratives</a>  <a href="#">Writer's Project: Slavery Narratives lesson</a>  <a href="#">The Dust Bowl - Multiple Perspectives</a>  The Black Cabinet's <a href="#">photo</a> and <a href="#">story</a>  <a href="#">Race and Public Policy: Segregated Housing Policy</a>  <a href="#">Indigenous Code Talkers interactive exhibit</a></p> <p><a href="#">Code Talkers Interview Video</a>  <a href="#">Mapping inequality: Redlining in New Deal America Map</a>  <a href="#">Women's Army Corps</a>  <a href="#">Battalion of Black Women during World War II Article Analysis</a>  <a href="#">G.I. Bill and Black Veteran Benefits Webquest</a>  <a href="#">The Color of Law: Developing the White Middle Class</a></p>
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	<p><i>Civil Rights Movement</i>  Latinx Rights in the 1960s  King, Malcolm X, Carmichael Comparison  Speeches of the Civil Rights Movement  Fair Housing  Birmingham Civil Rights</p> <p><i>The Cold War</i>  Perspectives on the Cold War  Black Musicians during the Cold War</p> <p><i>Modern Era</i>  Being Antiracist in the 21st Century  The Significance of African Americans in Sports  Black Property Owners and Contract Lending  Charlottesville, Virginia and Confederate Monuments</p>	<p><a href="#">What Caused the Zoot Suit Riots?</a>  <a href="#">Japanese Internment Camps</a>, <a href="#">Manzanar</a> Historic site</p> <p><a href="#">Women's Army Corps</a>  <a href="#">'68 LA Walkouts and Grape Workers Strikes</a>  <a href="#">"Three Visions for Achieving Equal Rights"</a>  <a href="#">I've Been to the Mountaintop Speech Analysis</a>  <a href="#">This American Life</a> podcast  <a href="#">Mexican American rights</a>  <a href="#">Walking Tours of the Civil Rights Movement</a></p> <p><a href="#">The Cold War in Guatemala</a>  <a href="#">Jazz as a Cold War Weapon</a></p> <p><a href="#">National Museum of African American History Online</a>  <a href="#">NMAAH Sports Exhibit</a>  <a href="#">Black Families and Contract Lending Podcast</a>  <a href="#">Walking Tour of Charlottesville, Virginia</a></p>
<p>Science</p>	<p>Human Origins</p> <p>Biology</p> <p>Effects Of capitalism on the environment and biological systems</p> <p>Environmental racism</p> <p>African American Inventors</p>	<p><a href="#">The Significance of Human Origins</a></p> <p><a href="#">Understanding the variation in skin color lesson plan</a>  <a href="#">The Biology of Skin Color video</a></p> <p><a href="#">Social Justice in the Science Classroom</a></p> <p><a href="#">Just Science</a></p> <p><a href="#">African American Inventors</a></p>

	<p>African American Scientists</p> <p>Native American Contributions to Medicine</p> <p>Women Inventors</p> <p>Hispanic Americans in Science</p> <p>Islamic Influences in Science</p>	<p><a href="#">African Americans in Science</a></p> <p><a href="#">Focusing Science and Engineering Learning on Justice-Centered Phenomena across PK-12</a></p> <p><a href="#">Focusing Science and Engineering Learning on Justice-Centered Phenomena across PK-12</a></p> <p><a href="#">Native American Science Lesson Plan</a></p> <p><a href="#">Women and Minorities in Science and Technology: A Guide to Selected Resources. Science Reference Guide</a></p> <p><a href="#">Rebecca Crumpler</a></p> <p><a href="#">Famous Women Inventors</a></p> <p><a href="#">Lesson Plan Women and the Manhattan Project</a></p> <p><a href="#">NASA Celebrates Hispanic Heritage Month 2020   Science Mission Directorate</a></p> <p><a href="#">The Islamic Golden Age   World Civilization</a></p>
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<p>ELA</p>	<p>Fiction/Poetry</p>	<p><b>Suggested texts include:</b>          “American History” by Cofer          “Antojos” by Julia Alvarez          “Cloudy Day” by Jimmy Santiago Baca          “I Am Offering This Poem” by Jimmy Santiago Baca          “Immigrant Picnic” by Djanikian          “Sonnet, With Bird” by Sherman Alexie          “The Censors’ by Luisa Valenzuela, translated by David Unger          “The Orphan Boy and the Elk Dog’ by Blackfoot, retold by Richard Erdoes and Alfonso Ortiz          “The Poetry of Langston Hughes” by Langston Hughes  <i>A Lesson Before Dying</i> by Ernest Gaines  <i>Behind the Beautiful Forevers</i> by Katherine Boo  <i>Fallen Angels</i> by Walter Dean Meyers          from <i>Dust Tracks on a Road</i> by Zora Neale Hurston  <i>Long Way Down</i> by Jason Reynolds  <i>Lucy</i> by Jamaica Kincaid  <i>No Fixed Address</i> by Susan Nielsen  <i>The 57 Bus</i> by Dashka Slater  <i>The Color of Water</i> by James McBride  <i>The Kite Runner</i> by Khaled Hosseini  <i>The Raisin in the Sun</i>  <i>Their Eyes Were Watching God</i> by Zora Neale Thurston  <i>To Kill a Mockingbird</i> by Harper Lee</p>
	<p>Non-Fiction</p>	<p><b>Suggested texts include:</b>          “...Greensboro Lunch Sit In” by Tiberii          “Ain’t I a Woman?” by Sojourner Truth          “Declaration of Sentiments” by Elizabeth Cady Stanton          “For Black Women Who Are Afraid” by Toi Derricotte          “For My People” by Margaret Walker          “Giving Women the Vote” by Sandra Sleight-Brennan</p>

	<p>Additional Text Collections</p>	<p>         “How the Children of Birmingham Changed the Civil-Rights Movement” by Lottie L. Joiner          “I Have a Dream” by Martin Luther King, Jr.          “Law and the Rule of Law: The Role of Federal Courts” from the Judicial Learning Center          “Lessons of Dr. Martin Luther King, Jr” by Cesar Chavez          “Let South Africa Show the World How to Forgive” by Desmond Tutu          “Letter from Birmingham Jail” by Martin Luther King, Jr.          “Sheyann Webb” from Selma, Lord, Selma as told to Frank Sikora          “The Forgiveness Project: Eric Lomax” from The Forgiveness Project          Brown v. Board of Education: Opinion of the Court          Documentary: <i>13th</i>          from <i>The Interesting Narrative of the Life of Olaudah Equiano</i> by Olaudah Equiano          from <i>the Iroquois Constitution</i> by Dekanawidah, translated by Arthur C. Parker          from <i>What to the Slave Is the Fourth of July?</i> by Frederick Douglass          I Know Why the Caged Bird Sings by Maya Angelou  <i>The Bill of Rights</i>  <i>The Declaration of Independence</i>  <i>The Other Side</i> by Juan Pablo Villalobos  <i>The Pact</i> by the Three Doctors   <a href="#">Book Lists compiled by the Black Caucus ALA</a>  <a href="#">Book Lists by ADL - identify, bias, and bullying</a>  <a href="#">Social Justice Book Lists</a> including activism, Black history, slavery &amp; resistance, and racial identity and indigenous peoples  <a href="#">Diverse (BIPOC) Book Finder</a> </p>
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	<p>Narrative Writing</p> <p>Persuasive Writing</p> <p>Explanatory Writing</p> <p>Additional Activities</p>	<p><a href="#">The Amistad Commission's Literacy Components</a></p> <p>Unit PBL: Write a narrative that exemplifies what it means to be "American" and how the American Identity is created.</p> <p><a href="#">Writing Persuasive Letters About Immigration Reform</a></p> <p>Unit PBL: Is the experience of being an outsider universal?</p> <p>Unit PBL: Can justice and forgiveness go hand-in-hand?</p> <p>Unit PBL: What are the most effective ways to establish freedom?</p> <p>Unit PBL: Explain how words have power.</p> <p>Unit PBL: What does it mean to be "free"?</p> <p>Unit PBL: What motivates people to struggle for change?</p> <p>Unit PBL: How do our attitudes toward the past shape our future?</p> <p><a href="#">Dream in Color - Activities and Poetry Collection</a></p> <p><a href="#">What is the School-to-Prison Pipeline?</a></p> <p><a href="#">#DisruptText Twitter PD: The Hero's Journey</a></p> <p><a href="#">#DisruptText Twitter PD: Shakespeare</a></p> <p><a href="#">#DisruptText Twitter PD: The Crucible</a></p> <p><a href="#">#DisruptText Twitter PD: The Great Gatsby</a></p> <p><a href="#">#DisruptText Twitter PD: To Kill a Mockingbird</a></p> <p><a href="#">Community Inquiry Discussion Strategies</a></p> <p><a href="#">A Nation of Immigrants?</a></p> <p><a href="#">Using Photographs: Discovering Identity</a></p> <p><a href="#">Using Photographs: Exposing Homelessness and Poverty</a></p> <p><a href="#">Pyramid of Hate - ADL</a></p>
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		<a href="#">Columbus Day Or Indigenous Peoples' Day?</a> <a href="#">The Stonewall Uprising</a> <a href="#">We Were Strangers Too: Learning about Refugees through Art</a> <a href="#">America By The Numbers</a>
Mathematics	<p><b>Social Justice in Mathematics</b></p> <p>There are, at least, two related ideas behind Social Justice in Mathematics. The first is that you can use mathematics to teach and learn about issues of social and economic justice. The second is that you can learn math through the study of social justice issues - the development of mathematical literacy itself being an incredibly important social justice issue.</p> <p><b>Sample Social Justice in Mathematics Ideas (9-12)</b></p> <p><i>Combinations</i></p> <p><i>Exponents</i></p> <p><i>Linear Programming</i></p>	<p><a href="#">Rethinking Mathematics - Teaching Social Justice by the Numbers</a></p> <p><a href="#">Reading and Writing the World of Mathematics: Towards a Pedagogy for Social Justice</a></p> <p><a href="#">Lottery</a> - Study how the Lottery works, why it is nearly impossible to win, and the economic damage it may cause.</p> <p><b>Compound Interest</b></p> <p><b>Population Growth</b> - Growth/decline of food and water resources, cities</p> <p>World Population Growth: <a href="#">Census</a></p> <p><a href="#">The School Funding Project</a></p>

<i>Ethnomathematics</i>	<a href="#"><u>Environmental Racism</u></a> - Determine the density of toxic waste facilities, factories, dumps, etc, in the neighborhood  <a href="#"><u>Gentrification</u></a> - Change in the density of people in a neighborhood (by race/income)  <a href="#"><u>TedTalkAfricanFractals</u></a>  <a href="#"><u>TedTalkIslamicTesselations</u></a>  <a href="#"><u>Origami</u></a>
<i>Inequalities</i>	<b>Graduation Rates</b> <ul style="list-style-type: none"><li>● Creating algebraic inequalities to describe limits on funding, class size, school size, etc., how can a school or district maximize graduation rates?</li><li>● <a href="#"><u>School Funding Project</u></a></li></ul>
<i>Logarithms &amp; Rates</i>	<b>Growth Rates</b> <ul style="list-style-type: none"><li>● People, prisoners, health factors, etc</li><li>● <a href="#"><u>Global Health</u></a></li></ul>
<i>Statistics</i>	<b>Community Surveys</b> - Teach students how to write surveys, and then survey your school or local community about any social issue.
<b>Influences in Mathematics</b>	<a href="#"><u>Biographies of Women Mathematicians</u></a> <a href="#"><u>Women's History in Mathematics</u></a> <a href="#"><u>Research on Gender Differences in Mathematics</u></a> <a href="#"><u>STEM Gender Gap</u></a>

[Picaria - Native American Game](#)  
[Using Native American Legends to Teach Mathematics](#)

[Jazz and Math](#)

[Hidden Figures Resources](#)- 2016 film about African-American women in the early US space program

[NCTM President's Message](#) -“How do we help teachers teach math to Black kids?”

[Biography of a Latina.](#)

[Latino, or Hispanic Mathematicians](#) [Latinas in STEM Technolochica](#) - Designed to raise awareness among young Latinas and their families about opportunities and careers in technology

[Al-Khwarizmi: The Father of Mathematics](#)

[History of Binomial Theorem](#)

[Islamic Art and Geometric Design](#)