



B&O RAILROAD MUSEUM

The Birthplace of American Railroading

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2025-2026 SCHOOL YEAR

FIELD TRIP AND STUDENT GROUP GUIDE | K-12



HISTORY, TRANSPORTATION, AND INNOVATION

At the B&O Railroad Museum, we strive to provide excellent lifelong learning through educational and engaging experiences that explore the impact of American Railroading on our country through history and STEAM programming. Use this guide to plan your next Field Trip (in-person or virtually) to the B&O Railroad Museum.

This student group guide contains logistical information as well as frequently asked questions about visiting our museum with your student group. For more detailed information about the museum, please visit our website at www.borail.org.

Once your field trip is confirmed, you will receive access to our pre- and post-visit resources and a *Day of Guide* with information for bus drivers, chaperones, and teachers on what to expect during your visit.

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SUPPORTING TEACHERS

The B&O Railroad Museum is committed to supporting teachers in reaching their educational goals for students. We have developed an extensive series of educational programming focused on history, transportation and innovation aligned with the educational standards of the state of Maryland across all grade levels.

We have many themed field trips, with at least two options per grade level. Each one is complete with pre- and post- visit activities, all aligned to MSDE curriculum standards for students in grades Pre-K through 12. As a State Aided Institution (SAI), we offer free or reduced pricing for most Maryland schools.

VIRTUAL FIELD TRIPS

In order to support teachers budgets and any issues that may arise, the B&O Railroad Museum offers many of its programs listed in this guide as either on-site or virtual programs. Our tours and storytime options are easily adapted for virtual learning while our workshops and train ride still require an in-person visit.

As your situation may change throughout the school year, we strive to best meet the needs of our educational community by allowing any scheduled tour or storytime to be rescheduled or exchanged between a virtual or in-person experience. To better accommodate the needs of students and educators, the B&O will work with teachers to switch any field trip from virtual to on-site or from on-site to virtual, as needed.

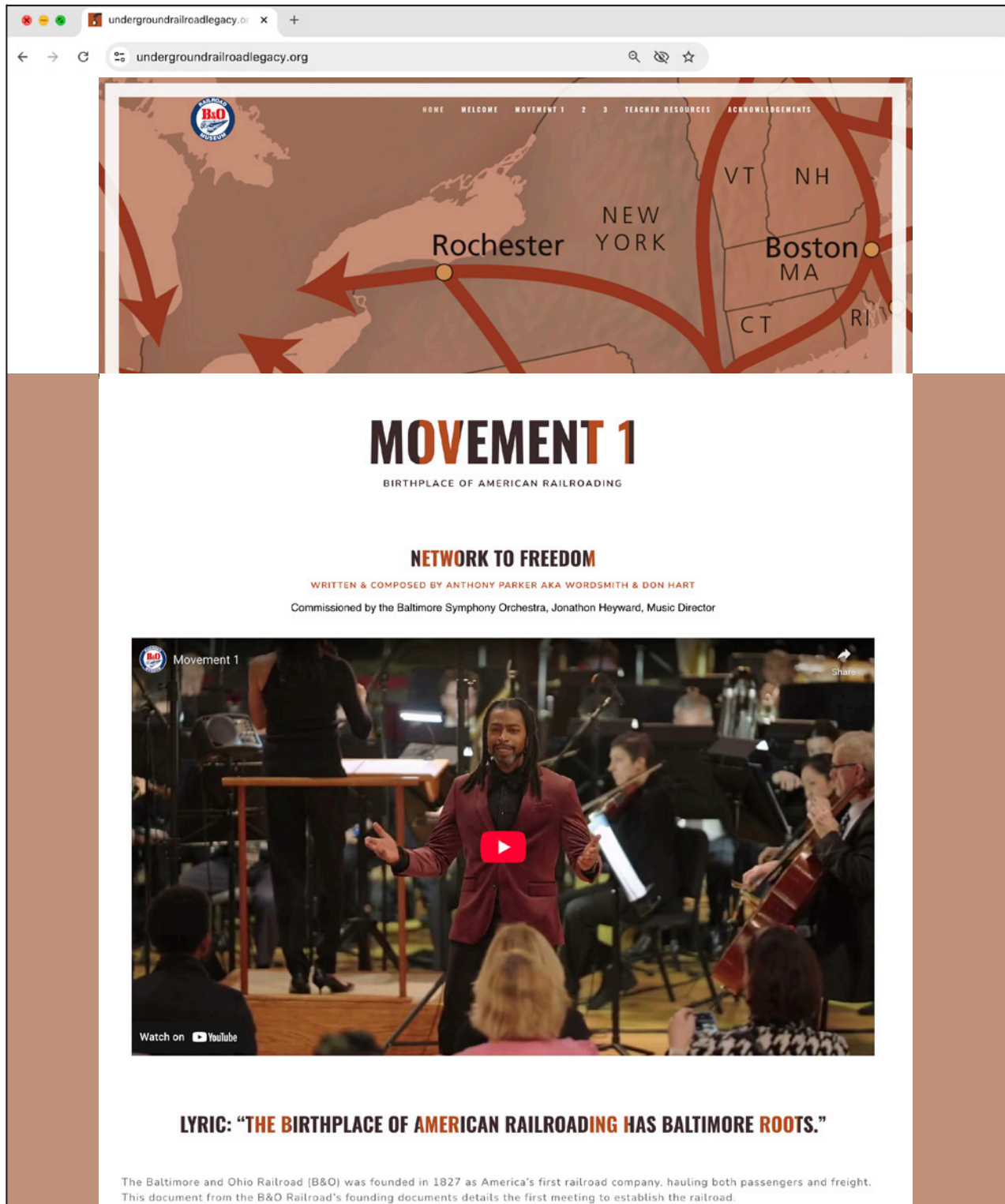
For virtual programs, participating students must be from the same school and attend the same session. If you would like classrooms from multiple schools to attend a virtual presentation or offer a virtual program at multiple times, additional fees may apply.

Please feel free to reach out to our education department with any questions or requests at edu@borail.org or 443-627-2382.

NEW! UNDERGROUND RAILROAD INTERACTIVE SITE

Our new *Legacy of the Underground Railroad* website is free and open to the public for classrooms use. It explores the impact of the railroad on the Underground Railroad through interactive activities using primary source documents and through original music composed by Baltimore-based hip hop artist Wordsmith. Lyrics from Wordsmith's song, *Network to Freedom*, will guide students through activities to understand this history better.

Please visit: www.UndergroundRailroadLegacy.org



The screenshot shows a web browser displaying the website www.UndergroundRailroadLegacy.org. The page features a map of the Northeastern United States with red arrows indicating a route from Boston, MA, through New York, to Rochester, and then westward. The map includes state abbreviations: VT, NH, CT, RI, MA, and NY. Below the map, the text reads "MOVEMENT 1" in large, bold letters, followed by "BIRTHPLACE OF AMERICAN RAILROADING" in smaller text. Underneath, it says "NETWORK TO FREEDOM" in bold, followed by "WRITTEN & COMPOSED BY ANTHONY PARKER AKA WORDSMITH & DON HART" and "Commissioned by the Baltimore Symphony Orchestra, Jonathon Heyward, Music Director". A video player is embedded on the page, showing a man in a red blazer performing on stage with an orchestra. The video player has a red play button in the center and a "Watch on YouTube" link at the bottom left. The video title "Movement 1" is visible in the top left corner of the player. A "Share" button is in the top right corner of the player.

LYRIC: "THE BIRTHPLACE OF AMERICAN RAILROADING HAS BALTIMORE ROOTS."

The Baltimore and Ohio Railroad (B&O) was founded in 1827 as America's first railroad company, hauling both passengers and freight. This document from the B&O Railroad's founding documents details the first meeting to establish the railroad.

PLAN YOUR FIELD TRIP (IN PERSON OR VIRTUAL)

Using the current MSDE curriculum standards we have designed the field trips below, all aligned to specific student grade levels. Each Field Trip includes two activities. After choosing your group's program, determine the two activities for your field trip. Each field trips below also has a selection of pre- and post-visit lesson plans developed to help prepare students for their visit and extend the learning beyond the field trip.

FIELD TRIP	Pre-K	K	1	2	3	4	5	6-8	9-12
Commerce on the Railroad									
Railroad Safety									
Environmental Impact									
Maryland Railroad History									
Railroad Technology									
Underground Railroad									
African American Railroading Legacy									
American Civil War									
American Railroad Engineering									
Global Conflicts and the Railroad									

CURATED PROGRAM DETAILS

American Civil War: Standards for grades 5 & Middle School

This program will explore the world first major war that was fought using the railroad, the US Civil War. Discover the impact the B&O Railroad had on the outcome of the war and how people interacted with the railroad during this time.

→ Choose Two From the List Below:

- ☐ **TOUR:** The Civil War: The War Came By Train
- ☐ **WORKSHOP:** *Artifact Exploration: Life During the Civil War* – In this workshop, students will use their critical thinking skills to examine a set of artifacts and determine who they might belong to. Using these artifacts students will then learn how different branches of the population, including soldiers, postal workers, children, freedom seekers and abolitionists interacted with each other and the railroad during the Civil War Era.
- ☐ **STORYTIME:** Includes book read a-loud and a short accompanying activity. Choose between How Kate Warne Saved President Lincoln by Elizabeth Van Steenwyk or William Still and His Freedom Stories: The Father of the Underground Railroad by Don Tate
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

American Railroad Engineering: Standards for grades 6-12

This program will explore American railroading engineers and their impact on the B&O Railroad – and on American transportation innovation.

→ Choose Two From the List Below:

- ☐ **TOUR:** American Railroad Engineering
- ☐ **WORKSHOP:** *Build a Track* – In this workshop, students will create a model railroad track, complete with spikes, rail, ballast, etc. to learn the marvels of laying track and the engineering behind it.
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

African American Railroading Legacy: Standards for grades 4, 5, Middle School & High School

Explore the legacy of African American's on the railroad from the laying of the first tracks and the B&O's connection to the Underground Railroad, through the Civil War Era and into the Civil Rights Movement.

→ Choose Two From the List Below:

- ☐ **TOUR:** From Slavery to Civil Rights: The African American Railroading Legacy
- ☐ **WORKSHOP:** *Artifact Exploration: African American Contributions to the Railroad* – In this workshop, students will use their critical thinking skills to examine a set of artifacts and determine who they might belong to. Using these artifacts students will then learn about the impact African American's have had on the B&O Railroad throughout history.
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

CURATED PROGRAM DETAILS

Commerce on the Railroad: Standards for grades PreK-2, Middle School & High School

This program will explore the history of freight transport on the railroad. Learn about different types of freight cars and how the railroad bolstered cultural diffusion around the world.

→ Choose Two From the List Below:

- ☐ **TOUR:** The B&O Goes Bananas: The Journey from Trees to Our Tables (for grades PreK-2)
- ☐ **TOUR:** The B&O Goes Bananas: The Progression of Global Freight Transport (for grades 6+)
- ☐ **WORKSHOP:** *What's In That Train Car? Workshop* (grades PreK-2) – In this workshop, students will get hands on learning about different train cars and what they might carry. By traveling around to different stations, students will try to fill their assigned train car with the correct items.
- ☐ **WORKSHOP:** *PVC Freight Car Challenge* (grades 6+) – In this workshop, students will use their engineering skills to design and built a freight car out of PVC pipe capable of transporting various freight goods on a railroad obstacle course.
- ☐ **STORYTIME:** Includes book read a-loud and a short accompanying activity. Choose between [Trains](#) by Gail Gibbons or [Trains Coming Through!](#) by Stephanie Morgan
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

Environmental Impact: Standards for grades 3-5, Middle School & High School

In this program, students will discover the evolution of fuel types on the railroad and the environmental impact of each.

→ Choose Two From the List Below:

- ☐ **TOUR:** Fueling America's Railroads: Climate Change and the Evolution of Fuel Types
- ☐ **WORKSHOP:** *The Carbon Cycle Workshop* (grades 3-5) – In this workshop, students will trace the life cycle of an atom of carbon by moving around the room to different stations representing the carbon atoms path. Each student will create a timeline bracelet to take home representing their journey as a carbon atom, made from pony beads and chenille sticks.
- ☐ **WORKSHOP:** *Renewable Resources and Transportation Workshop* (grades 6+) – In this workshop, students will simulate the effects of using renewable and nonrenewable resources on our environment using different colored pony beads.
- ☐ **RAILROAD STORYTIME:** Includes book read a-loud and a short accompanying activity. Choose between [The Story of Climate Change](#) by Catherine Barr and Steve Williams or [The Magic School Bus and the Climate Challenge](#) by Joanna Cole and Bruce Dugan
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

CURATED PROGRAM DETAILS

Global Conflict and the Railroad: Standards for Middle School & High School

This program will explore the contribution and involvement of the B&O Railroad during major global wars including the US Civil War, World War I and World War II.

→ Choose Two From the List Below:

- ☐ **TOUR:** Iron War Horses: The B&O's Contributions During Global Conflict
- ☐ **WORKSHOP:** *War and the Railroad Workshop* – In this workshop, students will work in groups to experience the task put before the Pullman Palace Car Company, to quickly design and build a train car equipped for transporting as many soldiers as possible preparing to ship overseas to battle during World War II.
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

Maryland Railroad History: Standards for grades 3-5, Middle School & High School

This program will explore the ways that the B&O Railroad has contributed to major historic moments in Maryland state history. Students will learn about the development of the B&O Railroad, the invention of the telegraph and the Civil Rights Movement among many other topics.

Choose Two From the List Below:

- ☐ **TOUR:** Maryland on the Rails: The B&O's Contribution to Maryland History
- ☐ **WORKSHOP:** *Morse Code on the B&O Workshop* – In this workshop, students will learn all about the B&O Railroads connection to the telegraph by learning how to communicate using Morse Code and making a take-home keychain or necklace spelling their name in Morse Code!
- ☐ **STORYTIME:** Includes book read a-loud and a short accompanying activity. Choose between B is for Blue Crab: A Maryland Alphabet by Shirley Menendez or Henry's Freedom Box: A True Story from the Underground Railroad by Ellen Levin and Kadir Nelson
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

Railroad Safety: Standards for grades PreK-2

In this program, students will learn how the railroad keeps it's workers and passengers safe now and throughout the past 200 years of B&O Railroad history.

→ Choose Two From the List Below:

- ☐ **TOUR:** Railroad Signs and Signals: The Evolution of Visual Communication on the Railroad
- ☐ **WORKSHOP:** *Design a Safe Community Workshop*- In this workshop, students will get to build a community using 2D and 3D objects with safety in mind. Students will need to include fire stations, hospitals, schools, and all the safe road signs they think their community needs.
- ☐ **RAILROAD STORYTIME:** Includes book read aloud and a short activity. Choose between Trains and Tracks by Operation Life Saver or Clifford and the Railroad Crossing by Norman Bridwell
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

CURATED PROGRAM DETAILS

Railroad Technology: Standards for grades 3, 5, Middle School & High School

This program will explore the evolution of technology used on the railroad from the first passenger cars pulled by horses to the modern high speed rail.

→ Choose Two From the List Below:

- ☐ **TOUR:** Technology Changes: Innovations in Locomotive Design
- ☐ **WORKSHOP:** *On Your Mark, Get Set, LEGO! Workshop* (grades 3-5) – In this workshop, students will use their knowledge of motion and engineering design to build a car out of LEGOs. They will get a chance to race against their classmates on our racetrack before making any necessary design changes to their cars.
- ☐ **WORKSHOP:** *Engineer a Bridge Workshop* (grades 6+) – In this workshop, students will use their engineering design and problem-solving skills to build a model railroad bridge that can hold some weight without collapsing.
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday-Friday)

Underground Railroad: Standards for grades 4, 5, and Middle School

This program will connect the Underground Railroad and the B&O Railroad by exploring the journeys of multiple freedom seekers and the declaration of Mount Clare Station as a historic Network to Freedom Site.

→ Choose Two From the List Below:

- ☐ **TOUR:** The Underground Railroad: A Path to Freedom
- ☐ **WORKSHOP:** *Reflecting on History Through Art Workshop* – In this workshop, students will explore ways of reflecting on history through the creative process. Using the work of Harlem Renaissance artist, Aaron Douglas, students will reflect on the history of the Underground Railroad by creating a piece of art in the style of Aaron Douglas.
- ☐ **RAILROAD STORYTIME:** Includes book read-aloud of Henry's Freedom Box: A True Story from the Underground Railroad by Ellen Levine and Kadir Nelson and short accompanying activity.
- ☐ **TRAIN RIDE** down the first mile of the B&O Railroad aboard the Mile One Express (available Wednesday – Friday)



FIELD TRIP PRICING

School Group Type	Base Fee	Add'l Activities	Add'l Chaperones**	Reserved Lunch Space (if available)
<ul style="list-style-type: none"> ➤ Maryland Title I ➤ Headstart Center 	Free	First two activities are free	Free	Free
<ul style="list-style-type: none"> ➤ Maryland Non-Title I Public ➤ Maryland Homeschool Group 	Free*	First two activities are free*	\$10 per additional chaperone. (add \$3 for train ride)	Outdoor pavilion free* Indoor Space \$50
<ul style="list-style-type: none"> ➤ All Other Schools 	\$10 per student	Tour, Workshop, & Storytime: \$5/student Train Ride: \$3/student	\$10 per additional chaperone. (add \$3 for train ride)	Outdoor pavilion free* Indoor Space \$50

* Free while funding is still available. Once funding has been exhausted, some fees may apply.

** The museum requires one adult chaperone for every six students. They can enter the museum for free with the group. Teachers, 1:1 aides, and school nurses can join for free and always receive free admission to the Museum. Additional chaperone admission costs may be required, as indicated above.

Reservations are required at least two weeks prior to your planned visit. Full payment is required five business days prior to your scheduled visit. Prices are subject to change without notice. Client assumes all responsibility and financial liabilities in the event of damages.

Reserved dining spaces will be made available on a first-come, first-served basis and provided when available.

LUNCH FACILITIES

You can reserve either our outdoor covered pavilion (seats 120-150 at a time) or our indoor Education Station for your students for lunch (seats 80 at a time). Each rental is for a scheduled, pre-determined lunch time. Separate lunch storage locations are unavailable. Lunches will remain in your reserved lunch space until your scheduled lunch time (no refrigeration available). We also offer several unreserved picnic tables in our backyard around the Kids Rides area. These picnic tables are available on a first-come, first-serve basis. Please contact us to reserve a dining facility. Rental fees may apply. Please see the pricing guide on page 8 for more details.

CAFÉ

The B&O Café, a social enterprise of the Franciscan Center, located onsite in our backyard, offers lunch options, beverages, and snacks year-round. The Café is open during regular museum hours. There are additional restrooms located inside the cafe, as well. Due to city regulations, groups cannot bring outside food into the cafe. Lunch is available for pre-order for your group from our café. Please contact our education department to make arrangements with the cafe edu@borail.org or 443-627-2382.

GIFT SHOP

Our on-site gift shop is available for all guests and groups to visit throughout the duration of your trip. If your students would like to visit the gift shop during their visit, please plan to do so during your "self-guided" portion of your visit.

MILE ONE EXPRESS TRAIN RIDE

We are home to the historic first mile of commercial railroad track in the country!

Students can travel on a real train along this historic route as one of their two included field trip activities (see the curated program details on page 3 for more information). Informative audio will narrate the train ride and point out important landmarks throughout the ride, while docents are positioned throughout the train to answer any questions you may have during the trip. While we make every effort to accommodate all groups and guests on the train, we cannot delay departure for groups running late. Train rides schedule varies seasonally. Train rides are subject to change or cancellation without notice and are not guaranteed with your visit.

For the most up to date schedule, please visit our website at www.borail.org.



CHAPERONES & IDENTIFICATION

As you prepare for your upcoming trip, please note that we require one adult chaperone for every six students throughout the duration of the trip. This helps to ensure that all our guests have a safe and enjoyable experience.

Students and chaperones should dress appropriately for expected weather conditions as you will need to go outside to access many exhibit areas. Chaperones are required to ensure students in their care are exploring the museum in a safe manner. Please see our "Day of" Guide for rules and regulations around chaperone responsibilities.

SAFETY

Our large campus contains about 40 acres, which includes both indoor and outdoor exhibit space. Please note that a big part of what makes our museum so unique is that it was an actual working railroad yard. There are train tracks and rails embedded into the ground that are still sometimes used by operating trains. We ask that students refrain from running, even when outside, as there may be tripping hazards. In the event that a member of your group becomes injured or requires medical treatment during your visit, please notify a member of our staff. We are equipped with several first aid devices, automated external defibrillators (AEDs), and can contact emergency medical response as needed.

ACCESSIBILITY

The B&O Railroad Museum is a recognized ADA accessible facility. All of the B&O's exhibition buildings as well as train platforms are equipped with ramps to accommodate those with mobility issues. The train ride is equipped with several positions for guests with wheelchairs, however spots are limited. To reserve tickets for wheelchair accessible cars, please inform us at the time of registration.

SENSORY INCLUSION

For our guests with sensory sensitivities, we have sensory kits stationed throughout the museum as well as mobile sensory backpacks available for rent during your visit. These kits contain noise-canceling headphones or earplugs, timers, feelings chart, social narratives and fidgets. For onsite assistance, please reach out to any staff member, all of whom have undergone sensory awareness training.



DETAILED EDUCATION STANDARDS

African American Railroading Legacy Program:

- 4th Grade MSDE SS Essential Question: What causes people to deny freedom to others?
- 4th Grade MSDE SS Essential Question: How did slavery shape Maryland as a colony?
- 5th Grade MSDE SS Essential Question: How did conflicts over slavery result in the Civil War?
- 5th Grade MSDE SS Essential Question: How did the conclusion of the Civil War affect the United States (North and South) and Maryland?
- 5th Grade MSDE SS Essential Question: How has government evolved to expand the meaning of “We the People”?
- 8th Grade MSDE SS Essential Question: How did regional tensions challenge national unity?
- 8th Grade MSDE SS Essential Question: How does war impact and change society?
- 8th Grade MSDE SS Essential Questions: How does a nation reconcile past injustices?
- High School US History MSDE SS Essential Question: To what extent can individuals and groups change society?
- High School US History MSDE SS Essential Question: Were the freedom movements successful in achieving equality for Americans?

American Railroad Engineering Program:

- Middle and High School NGSS DCI: 3-ETS1.A, 4- ETS1.A, & 5- ETS1.A: Defining and Delimiting an Engineering Problem
- Middle and High School NGSS DCI: 3-ETS1.B, 4- ETS1.B, & 5- ETS1.B: Developing Possible Solutions
- Middle and High School NGSS DCI: 3-ETS1.C, 4- ETS1.C, & 5- ETS1.C: Optimizing the Design Solution

The Civil War Program:

- 5th Grade MSDE SS Essential Question: How did conflicts over slavery result in the Civil War?
- 5th Grade MSDE SS Essential Question: How did the conclusion of the Civil War affect the United States (North and South) and Maryland?
- 8th Grade MSDE SS Essential Question: How did regional tensions challenge national unity?
- 8th Grade MSDE SS Essential Question: What factors lead a country to civil war?
- 8th Grade MSDE SS Essential Question: How does war impact and change society?

Commerce on the Railroad Program:

- Pre-K MSDE SS Essential Question: How do people connect?
- Pre-K MSDE SS Essential Question: Why do people trade?
- Kindergarten MSDE SS Essential Question: How do movement of goods and ideas influence the growth of a community?
- Kindergarten MSDE SS Essential Question: Why do people trade?
- Kindergarten MSDE SS Essential Question: How is our school different today than in the past?
- 1st Grade MSDE SS Essential Question: How do movement of goods and ideas influence the growth of a community?
- 1st Grade MSDE SS Essential Question: Why do people trade goods and services?
- 2nd Grade MSDE SS Essential Question: How does the movement of goods and ideas influence the growth of a community?
- 2nd Grade MSDE SS Essential Question: How do individuals and groups produce goods and services?
- 2nd Grade MSDE SS Essential Question: How is life different today than in the past?

Commerce on the Railroad Program (continued):

- 6th and 7th Grade MSDE Essential Question: Why study earth and the people who live on it?
- 6th and 7th Grade MSDE Essential Question: How did capitalism connect and divide people?
- 6th and 7th Grade MSDE Essential Question: Is globalization good for everyone?
- Middle School US History MSDE Essential Question: Did the benefits of post-Civil War industrialization outweigh the costs?
- Middle School US History MSDE Essential Question: Did American Westward Expansion challenge and promote national unity?
- High School US History MSDE SS Essential Question: Did American Westward Expansion challenge and promote national unity?
- High School US History MSDE SS Essential Question: Was American imperialistic growth consistent with democratic ideals?
- Middle and High School NGSS DCI: ETS1.A: Defining and Delimiting an Engineering Problem
- Middle and High School NGSS DCI: ETS1.B: Developing Possible Solutions
- Middle and High School NGSS DCI: ETS1.C: Optimizing the Design Solution

Environmental Impact Program:

- MSDE Environmental Literacy Framework Essential Questions, 1-3 – all grade levels
- 3rd Grade MSDE SS Essential Question: What impact does economic development have on Maryland's natural environment?
- 3rd Grade NGSS DCI: 3-ESS2.D: Weather and Climate
- 3rd Grade NGSS DCI: 3-ESS3.B: Natural Hazards
- 4th Grade NGSS DCI: 4-ESS2.A: Earth Materials and Systems
- 4th Grade NGSS DCI: 4-ESS3.A: Natural Resources
- 4th Grade NGSS DCI: 4-ESS3.B: Natural Hazards
- 5th Grade NGSS DCI: 5-PS1.A: Structure and Properties of Matter
- 5th Grade NGSS DCI: 5-LS2.B: Cycles of Matter and Energy Transfer in Ecosystems
- 5th Grade NGSS DCI: 5-ESS2.A: Earth Materials and Systems
- 5th Grade NGSS DCI: 5-ESS3.C: Human Impact on Earth Systems
- Middle School NGSS DCI: MS-ESS3.C: Human Impacts on Earth Systems
- Middle School NGSS DCI: MS-ESS3.D: Global Climate Change
- 6th and 7th Grade MSDE Essential Question: Why study earth and the people who live on it?
- 6th and 7th Grade MSDE Essential Question: Why is the environment a complex issue in the United States?
- 6th and 7th Grade MSDE Essential Question: Are industrialization and urbanization good for everyone?
- 6th and 7th Grade MSDE Essential Question: How does climate change force humans to live differently?
- Middle School US History MSDE Essential Question: How did regional tensions challenge national unity?
- Middle School US History MSDE Essential Question: Did the benefits of post-Civil War industrialization outweigh the costs?
- High School US History MSDE SS Essential Question: Did the benefits of post-Civil War industrialization outweigh the costs?
- High School US History MSDE SS Essential Question: Did the 1920s preserve the past or invent the future?
- High School NGSS DCI: HS-ESS2.D: Weather and Climate
- High School NGSS DCI: HS-ESS3.C: Human Impacts on Earth Systems
- High School NGSS DCI: HS-ESS3.D: Global Climate Change

Global Conflict and the Railroad Program:

- 7th Grade MSDE 7-SS-1.A.2: Analyze the historic events, documents, and practices that are the foundations of political systems around the world
- 7th Grade MSDE 7-SS-2.C.1.a-b: Analyze major sources of tension, cooperation, and conflict in the world and the efforts that have been made to address them
- High School US History MSDE SS Essential Question: How did involvement in a global conflict change America?
- High School US History MSDE SS Essential Question: Did the 1920s preserve the past or invent the future?
- High School US History MSDE SS Essential Question: What is the role of the United States in world affairs in times of crisis?

Maryland History on the B&O Railroad Program:

- 3rd Grade MSDE SS Essential Question: Why do industries differ across the state of Maryland?
- 3rd Grade MSDE SS Essential Question: How are people impacted by economic development in Maryland?
- 3rd Grade MSDE SS Essential Question: What impact does economic development have on Maryland's natural environment?
- 3rd Grade MSDE SS Essential Question: Essential Question: How did people live in the past?
- 4th Grade MSDE SS Essential Question: Is exploration good for all?
- 4th Grade MSDE SS Essential Question: How does where you live, impact how you live?
- 4th Grade MSDE SS Essential Question: How did slavery shape Maryland as a colony?
- 5th Grade MSDE SS Essential Question: How did conflicts over slavery result in the Civil War?
- 5th Grade MSDE SS Essential Question: How did the conclusion of the Civil War affect the United States (North and South) and Maryland?
- 5th Grade MSDE SS Essential Question: How has government evolved to expand the meaning of "We the People"?
- 8th Grade MSDE SS Essential Question: Essential Question: What fostered the development of distinct regions in colonial North America?
- 8th Grade MSDE SS Essential Question: How did regional tensions challenge national unity?
- 8th Grade MSDE SS Essential Question: What factors lead a country to civil war?
- 8th Grade MSDE SS Essential Question: How does a nation reconcile past injustices?
- High School US History MSDE SS Essential Question: To what extent did post-war economic growth distribute benefits equitably?

Railroad Safety Program:

- Pre-K MSDE SS Essential Question: Why do we have rules at home, at school and in the community?
- Pre-K MSDE SS Essential Question: How do people connect?
- Kindergarten MSDE SS Essential Question: Why do we have rules at home, at school and in the community?
- Kindergarten MSDE SS Essential Question: How do movement of goods and ideas influence the growth of a community?
- Kindergarten MSDE SS Essential Question: How is our school different today than in the past?

Railroad Safety Program (continued):

- 1st Grade MSDE SS Essential Question: How do movement of goods and ideas influence the growth of a community?
- 1st Grade MSDE SS Essential Question: How is our school different today than in the past?
- 2nd Grade MSDE SS Essential Question: How do movement of goods and ideas influence the growth of a community?
- 2nd Grade MSDE SS Essential Question: How is life different today than in the past?

Railroad Technology Program:

- 3rd Grade MSDE SS Essential Question: How are people impacted by economic development in Maryland?
- 3rd Grade MSDE SS Essential Question: What impact does economic development have on Maryland's natural environment?
- 5th Grade MSDE SS Essential Question: Do the benefits of post-Civil War industrialization outweigh the costs?
- 8th Grade MSDE SS Essential Question: How did regional tensions challenge national unity?
- 8th Grade MSDE SS Essential Questions: Did the benefits of post-Civil War industrialization outweigh the costs?
- 3rd Grade, 5th Grade, Middle and High School NGSS DCI: 3-ETS1.A, 4- ETS1.A, & 5- ETS1.A: Defining and Delimiting an Engineering Problem
- 3rd Grade, 5th Grade, Middle and High School NGSS DCI: 3-ETS1.B, 4- ETS1.B, & 5- ETS1.B: Developing Possible Solutions
- 3rd Grade, 5th Grade, Middle and High School NGSS DCI: 3-ETS1.C, 4- ETS1.C, & 5- ETS1.C: Optimizing the Design Solution

The Underground Railroad Program:

- 4th Grade MSDE SS Essential Question: What causes people to deny freedom to others?
- 4th Grade MSDE SS Essential Question: How did slavery shape Maryland as a colony?
- 5th Grade MSDE SS Essential Question: How did conflicts over slavery result in the Civil War?
- Middle School US History MSDE SS Essential Question: How did regional tensions challenge national unity?
- Middle School US History MSDE SS Essential Question: How can individuals and groups affect social change?

MORE INFORMATION

For complete booking information, please visit www.borail.org.

Contact our Education Department at edu@borail.org or 443-627-2382.