



STEM
HISTORY
ARTS

STUDENT PROGRAMS

2018-2019



**DISCOVER THE
HISTORY AND
CULTURE OF THIS
NATIONAL HISTORIC
LANDMARK!**



**EMBARK ON AN
EDUCATIONAL
JOURNEY ABOARD
OUR 94' GREEN
RIVERBOAT
CLASSROOM!**



**UNCOVER THE
STORIES BEHIND
PRIMARY SOURCES
AND PRESERVED
ARTIFACTS!**



STUDENT PROGRAMS



@ THE CARRIE BLAST FURNACES

SCIENCE & INDUSTRY AT THE CARRIE BLAST FURNACES

While exploring the job roles of former Carrie employees, students discover just what it took to work at a blast furnace. From the science and technology of the iron-making process to the cultural context of the immigrant worker experience, students will gain a firsthand understanding of how the steel industry shaped the history, character, and development of southwestern Pennsylvania.

\$12/Student

Grades 4–12

Program Length: 2 Hours

Program Availability: May–October

CARRIE IN CONTEXT: POST-INDUSTRIAL ARTS

Production may have stopped in 1982, but the era of Carrie Furnaces as an artistic muse was just beginning. Students examine how guerrilla artists, urban explorers, and later, curators and installation artists made creative use of found community space. Students will be challenged to analyze common themes through guided critical and aesthetic response processes. Special focus will be placed on the *Carrie Deer* sculpture, graffiti artworks, and *Alloy PGH*, Rivers of Steel's biennial exhibition of temporary, site-specific collaborative artworks.

\$12/Student

Grades 9–12

Program Length: 2 Hours

Program Availability: May–October

Make it a Workshop!

Teaching artists guide students in a hands-on graffiti writing experience, giving context to the language, forms and underground culture of the medium as a creative art form. *Add a \$6 per student materials fee and an additional hour to the program length.*

CUSTOMIZE YOUR CARRIE EXPERIENCE

Many educators prefer to customize their students' experience—to fit with specific curricula or simply to add an opportunity for a more personal exploration of the site. Consider these popular add-ons!

CARRIE PHOTOGRAPHY SAFARI

After a guided tour, students explore the site with their own camera. Experienced photographers are available for hands-on assistance, if required.

IRON GARDEN WALK

Students experience a natural garden, discovering diverse plant communities and how human history shapes our urban environment.

Program costs and length are adjusted based on the group leader's request.

STUDENT PROGRAMS



ON THE RIVERS OF STEEL EXPLORER

ENVIRONMENTAL SCIENCE ON THE THREE RIVERS

Starting with the construction of a hypothesis on the health of the rivers, students test their theory by applying scientific principles. Using living and nonliving indicators of water quality, students analyze and correlate their results with industrial and photographic records of the historical land use of Pittsburgh's river valleys. The process serves as a springboard for exploring issues of current land use and river health, sustainability, and green design.

Classroom registration includes usage of the *Captain's Science Resource Chest* and complimentary admission for the companion Act 48 workshop (one teacher included for every 30 registered students.)

\$15/Student

Grades 4–12

Program Length: 3 Hours

Program Availability: March–December

BRIDGES OF PITTSBURGH

Observation, playful exploration and guided discussion help young students discover basic engineering principles while examining the details and designs of some of Pittsburgh's most prominent bridges. Students compare various types of bridge structures, consider the durability of their construction materials, and participate in shared learning experiences, including model bridge building and river map navigation. This *Explorer* excursion on all three rivers is simply loaded with teachable moments!

\$13.50/student

Grades 3–6

Program Length: 2 Hours

Program Availability: March–December

PGH 101:

AN INTRO TO INNOVATION

Meticulously researched, this narrated sightseeing tour of the three rivers onboard *Explorer* introduces students to Pittsburgh's legacy of innovation. Known as a modern tech and robotics hub, the 'Burgh has been on the vanguard of industrial reinvention for over 250 years. Students hear how Pittsburgh's challenging landscape, its wealth of natural resources, and the character of its residents have shaped the economy and technology of the region—all while taking in the beauty of our shores and skylines!

\$12/student

Grades 7–12

Program Length: 1.5 Hours

Program Availability:

March–December

STUDENT PROGRAMS



@ THE BOST BUILDING AND PUMP HOUSE

THE BATTLE OF HOMESTEAD: CONFLICT & COOPERATION AND THE AMERICAN LABOR STORY

Students gain a nuanced understanding of the conflict of 1892 through guided inquiry and the review of primary and secondary source documents housed in Rivers of Steel's archives at the Bost Building National Historic Landmark. By differentiating between fact and opinion, and multiple points of view, students will extrapolate how conflict and cooperation in the steel industry of the late 1800's impacted the American labor story. Program includes a tour of the Bost Building, which served as the headquarters for the Amalgamated Association of Iron and Steel Workers during the 1892 Homestead Lockout and Strike.

\$10/Student

Grades 6–8

Program Length: 2 Hours

Program Availability: January–April

Additional Add-On:

Tour the historic Pump House, a focal point of the 1892 battle and also a vital component of the water system which provided the 7,000,000 gallons of water per day required for mill operations.

Additional \$3/Student

Program Length: 30 Minutes

Note:

The Pump House is located approximately 0.5 miles away from the Bost Building and groups must arrange their own transportation between the sites.

ENGAGE IN UNIQUE, INTERACTIVE LEARNING EXPERIENCES WITH RIVERS OF STEEL.

**CALL 412.464.4020 TODAY OR EMAIL
EDUCATION@RIVERSOFSTEEL.COM.**

SCHEDULING YOUR PROGRAM

REACH OUT!

Call 412.464.4020 or
email education@riversofsteel.com.

SHARE WITH US

- Your name, phone number and school or group
- When you'd like to visit
- The program(s) of interest
- Grade levels
- Approximate number of students

HELPFUL HINTS

- Book your program early!
- Call at least three weeks in advance of your preferred date.
- Consider a customized program—our offerings can be adjusted to fit your classroom's needs.

RIVERS OF STEEL ATTRACTIONS



Carrie Furnaces
National Historic Landmark
in Swissvale, PA



Explorer Riverboat
Pittsburgh's North Shore
on the Ohio River



The Bost Building
National Historic Landmark
in Homestead, PA

WHAT'S NEXT?

- After requesting your program and date, you'll receive a confirmation agreement. Return this contract to secure your reservation.
- Next, you'll receive a packet that includes student pre-tests, how to group your students, nametags, instructions on parking, and other details.
- Should your number of students increase, please let us know immediately; should your numbers decrease, please let us know two weeks in advance of the tour or workshop.
- On the day of the program—please arrive on time. If you are running late, please contact our main office at 412.464.4020, ext. 40, unless otherwise instructed.

WHAT ELSE?

- One chaperone per every ten registered students is required, and is admitted free.
- Payments should be mailed to:
Rivers of Steel Heritage Corp.
Attn: Education Department
623 East Eighth Avenue
Homestead, PA 15120

WE'RE LOOKING FORWARD TO YOUR VISIT!

RIVERS OF STEEL

riversofsteel.com



Rivers of Steel Heritage Corporation

The Bost Building, 623 East Eighth Avenue
Homestead, Pennsylvania 15120