Building Community with Place-Based Learning
#THV2017 | Wednesday, July 26
Field Experience Descriptions

We do not meet in Hyde Park on Wednesday; instead participants will go straight to the field experiences selected when at registration. Review the full schedule here. This page summarizes each field experience. Detailed descriptions appear on subsequent pages.


Great Newburgh History Adventure: A How-To Field Experience, 9-3. Visit Safe Harbors, Washington’s Headquarters State Historic Site, Ritz Theater, Ann Street Gallery, Newburgh Brewing Co., and Crawford House. This is a creative way to help students learn about their community's past, present, and future. Includes ferry trip and extensive walking. Bring lunch or be prepared to purchase from food truck or neighborhood restaurants.

Hidden Treasures of Science & History in the Lower Hudson Valley: Lamont-Doherty Earth Observatory & Piermont Pier (Rockland County), 10-4. Visit the pier and L-DEO, part of Columbia’s Earth Institute. Learn about programs and support for available to schools. Visit labs and spend time with scientists. Bring lunch or be prepared to purchase at the L-DEO cafeteria. Best for those working with MS and HS students in STEAM subjects. [www.ldeo.columbia.edu](http://www.ldeo.columbia.edu)

Historic Bridges of the Hudson Valley: Building Bridges to Build Community, 9:30-3:30, NYS Bridge Authority, Administration Building, Bear Mountain Bridge, west side of the Hudson between Peekskill and Fort Montgomery. Experience the Authority’s new museum. Use the history of the bridges and nearby communities to explore how groups identify needs, agree on goals, and advance solutions. The museum has a range of primary sources to work with including photos. All grades and subject areas. Bring your lunch.

Cancelled as of 7/17: Historic Voyage of Discovery: Sloop Clearwater’s Sailing Classroom & Tideline Programs, 10-4, leave from and return to Poughkeepsie, Dutchess County. Sample the full range of Clearwater’s education programs including Environmental Action Activities focusing on water protection. Gain hands-on experience with citizen science. Discuss how schools affect the health of the Hudson.
**BUILDING COMMUNITY WITH PLACE-BASED LEARNING**

#THV2017 | WED., JULY 26, 9 A.M. TO 5 P.M.

**History, Art, & Environment in City Neighborhoods**

**Building Community in Kingston**

**Logistics:** Meet at Kingston YMCA Farm Project, corner of Susan and Summer Streets behind River Radiology in Kingston. Park at the YMCA, 507 Broadway. We will move between sites on foot or in a carpool. Vegetarian lunch will be provided. **Your host:** Susan Hereth, education director, Kingston YMCA Farm Project. Susan is also a THVIP and a Kingston resident. Reach her at 845-249-8506 or susan@kingstonymcafarmproject.org.

**Other presenters:** Micah Blumenthal and Kimberly Kae, O+; Rita Carr and Sarah Wassberg, Hudson River Maritime Museum; Julia Farr, executive director, Kingston Land Trust; Kingston Mayor Steve Noble; KayCee Wimbish, director, YMCA Farm Project; Tim Weidemann, co-chair, Kingston Greenline Committee; and Lynn Woods, filmmaker, *Lost Rondout*.

**The plan**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>9:00-9:15 a.m.</td>
<td>Introductions to the day and people. Coffee and snacks provided.</td>
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<tr>
<td>9:15-9:35</td>
<td>City of Kingston’s Mayor Steve Noble. Using a map Steve will present an overview of the City’s history, neighborhoods, and community projects.</td>
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<tr>
<td>9:35-10:15</td>
<td>Using environmental stewardship and food as civic engagement tools and community bridges. Explore the YMCA Farm Project’s work on food production, farm markets, and educational programs with Kingston City Schools. (KayCee Wimbish and Susan Hereth)</td>
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<tr>
<td>10:15-10:30</td>
<td>Carpool to Uptown Kingston.</td>
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<tr>
<td>10:30-11:45</td>
<td>How is art used for civic engagement and community building? Walking tour of O+ murals in Uptown &amp; drive-by of Midtown murals. (Micah Blumenthal, Kimberly Kae)</td>
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<tr>
<td>11:45-1:15</td>
<td>Back to YMCA Farm Project for a catered lunch. Youth farm crew will share their experiences and projects, in particular a community survey related to food access. Tim Weidemann will discuss the Kingston Greenline – a project of the Kingston Land Trust, the city, and the county -- including Broadway Streetscapes, Kingston Point Rail Trail, and other initiatives.</td>
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<tr>
<td>1:15 pm</td>
<td>Carpool to Rondout waterfront.</td>
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<td>1:30-3 pm</td>
<td>How can history and environmental stewardship be used for civic engagement and community building? Tour the Maritime Museum and boat building school. (Rita Carr, Sarah Wassberg) View <em>Lost Rondout</em> clip. Q &amp; A with filmmaker.</td>
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<tr>
<td>3-4:30 pm</td>
<td>Explore Kingston’s Greenline. (Julia Farr)</td>
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<tr>
<td>4:30-5 pm</td>
<td>Wrap-up (Susan Hereth)</td>
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BUILDING COMMUNITY WITH PLACE-BASED LEARNING
#THV2017 | WED., JULY 26, 9:15 A.M. TO 3:30 P.M.

The Great Newburgh History Adventure
A How-To Field Experience

Logistics: Depart at 9:30 from the Newburgh Ferry Terminal, 2 Washington Street. (Round-trip ticket included with registration.) The half hour trip will allow us to see the city and its surroundings from the water. Please wear comfortable shoes as we will be on our feet and walking. Plan to bring your lunch or be prepared to purchase from a local food truck or restaurant.

Your guide: Ginny McCurdy, vmccurdy@necsd.net, ELA teacher at Newburgh Free Academy. She has organized this day for students for four years. The day was sparked by a 2013 NEH workshop, The Hudson River in the 19th Century and the Modernization of America. You will experience what Ginny’s students do during this day and learn how she does it.

Sites you’ll visit: Washington Headquarters State Historic Site; Safe Harbors, the Ritz Theater, and Ann Street Gallery, and Newburgh Brewing Company, Crawford House/Historical Society of Newburgh Bay and Hudson Highlands. Time permitting, you may also visit 2 Alices Coffee Lounge and/or Karpeles Manuscript Museum.

The plan. Sites to be visited reflect Newburgh’s colonial, shipping, and industrial past. Ginny will explain of how the day has been organized and evolved and will help participants think about what a day in their own communities might look like for their students.

Most high school students are unaware of Newburgh’s diverse past or the Hudson Valley’s important role in the development of our country’s history, art, and literature. After weeks of classroom activities involving Washington Irving’s The Legend of Sleepy Hollow, the Hudson River School artists, and newspaper articles by local historian, Mary McTamaney, students spend a day exploring important sites, viewing their surroundings through a historical lens in order to gain a new appreciation for their hometown.

Take home. Ginny will share resources and materials from the NEH workshop she attended along with classroom articles and images collected over the years. After the field experience, she will be happy to offer participants advice via phone or email.
Building Community with Place-Based Learning, #THV2017

Hidden Treasures of Science & History in the Lower Hudson Valley
Lamont-Doherty Earth Observatory & Piermont Pier

Wednesday, July 26, 10 a.m. to 4 p.m.

Logistics. Meet at the Lamont Field Station at the far end of Piermont Pier, 200 Ferry Road, Piermont 10968. When you finish, carpool to Lamont-Doherty Earth Observatory, 61 Route 9W, Palisades 10964. Bring your own lunch or be prepared to purchase from the cafeteria on site.
http://www.ldeo.columbia.edu

Guides. Margie Turrin, mkt@ldeo.columbia.edu, 845-365-8494; Nichole Anest, Core Repository, peridote@ldeo.columbia.edu; Mukund Palat Rao, Tree Ring Lab, mukund@ldeo.columbia.edu.

The plan. This program will be of greatest interest to those working with 6th grade and up in STEAM areas. We integrate history, arts, and writing with heavy emphasis on science. The program is immersive and hands on. We explore topics through activities. We will start with background on the Hudson River’s creation and human connections, asking questions such as, how did the geology and shape of the river guide settlement and development in this region?

‘Time’ on the River: The Historic Hudson will explore the Palisades Sill and the role of the Sparkill Gap in Hudson River history; Piermont Marsh and Pier’s role in the development of the railroad and during wartime. Then, we’ll fast forward to today, look at time capsules in marsh mud, and discuss what this very special area of the river can tell us about a dynamic resource. Science on the River will include: Seining – what’s in our net? Sediments – what’s under our feet? And, Scavenging – what does the evidence tell us? Then we’ll head up to the Lamont Campus for lunch and a three lab rotation:

Tree Ring Lab scientists are dedicated to expanding the use and application of tree-ring research to improve our understanding of past climate and environment. We’ll learn: about the lab’s research and what it teaches us about the past by examining tree rings; see tree-ring samples from many different parts of the world and many different kinds of trees; learn how to take core samples from trees, prepare them in the laboratory, and interpret and measure the rings using a microscope. Looking at the widths of tree rings, tells us a lot about how climate has changed in the past.

Core Repository is home to nearly 20,000 sediment cores from around the world! These cores preserve records of Earth’s climate over several million years and help us better understand what is happening in the present. The Repository’s curator will guide us through a variety of hands-on activities at interactive exhibits. We will sieve and analyze deep-sea sediment under a microscope and learn to identify the shells of common types of plankton (foraminifera, diatoms, and radiolaria) as well as ocean minerals (quartz, glauconite, and pyrite) to learn about processes that shape ocean sediments.

Polar Lab includes scientists who explore evidence for climate change in the Polar Regions. After an introduction to the poles, we will examine their role in our understanding of climate change. We also may work with maps linked with puzzles to explore a time series of the changes in the Polar Regions. Lastly, we will use the Polar Explorer -- a sea level app -- to pose and answer questions about the causes and impacts of sea level rise.
BUILDING COMMUNITY WITH PLACE-BASED LEARNING
#THV2017 | WED., JULY 26, 9:30 A.M. TO 3:30 P.M.

Building Bridges to Community: The Valley’s Historic Bridges

**Logistics.** Meet at the Bridge Museum and anchorage in the Administration Building of the Bear Mountain Bridge on the west side of the Hudson between Peekskill and Fort Montgomery, on Routes 6 and 202, just east of the traffic circle. Please note that following a GPS does not work well; if you need additional directions, email Kathryn. Some walking, not too strenuous. Bring your own lunch and snacks. [https://www.hbhv.org/](https://www.hbhv.org/)

**Your host.** Kathryn Burke, kburke@nysba.ny.gov, 914-961-9013.

**Who?** Appropriate for educators of all academic areas and grades. The Museum provides opportunities for place-based, hands on, research and experiences including extensive possibilities for STEAM. The day will model best teaching practices for promoting inclusion, collaboration, cross-cultural understanding, and community building.

**Essential Questions.** How do communities identify common needs, goals, and solutions? How do they subsequently select a solution and work toward it?

**Key ideas.** (1) Without the Hudson River Bridges, River communities and our region as a whole would be vastly different. (2) The bridges cross the River to create a seamless connection for residents and visitors. (3) We don’t build community by singling out those who are different, but by recognizing the needs and welcoming the contributions of all.

**The plan.** Kathryn will present an overview of the development and construction of the historic bridges and the creation of surrounding communities. The overview will feature historic documents, e.g., news articles and photos, available for use with students. Participants will tour the Museum and anchorage, sample interactive exhibits, and study the structure of the bridge with a NYSBA engineer.

Using information from these presentations, the group will (1) reflect on the political, social, and economic drivers that led to the building of the bridges, and (2) explore whether students can subject current community issues – and potential solutions – to a similar analysis.

In small groups, based on the age-level or subject matter most relevant for participants, we will practice reading, writing, and design engineering activities intended to help students recognize that communities rely on contributions from all members. Groups will practice posing questions and devising solutions rooted in the community-building processes previously discussed.

We’ll end the day with a full group brainstorm and discussion of ways to use Hudson Valley bridges in classrooms and, if appropriate, at other museums, historic sites, and parks.

**Leave with:** packets of material for incorporating trips to the real or virtual Bear Mountain Bridge and Museum into community building. We’ll also discuss ways to use HBHV.org and Google drive’s teacher share to best serve the needs of all students.