



YONKERS PUBLIC SCHOOLS
MUSEUM SCHOOL PARTNERSHIP FOR LEARNING

Agency: The Hudson River Museum

Dates of Contract: 11/21/2018-6/30/2019

Key Contact Person: Saralinda Lichtblau, MS Ed., Assistant Director, Education,
Hudson River Museum

PERFORMANCE BASED CONTRACT GUIDELINES

Pathways in Technology Early College High Schools Grant (P-Tech) \$6,700

1. WHAT IS THE PURPOSE OF THE SERVICE?

1. An opportunity for Riverside High School's P-Tech students to engage and enrich their learning in Earth Science, Astronomy, US History, ELA and CTE. Students will be guided through the museum exhibits, engaging in interactive experiences with the works of art and objects on view, and a planetarium show that enhance their classroom learning. The P-Tech students from cohorts 1 and 3 will participate in 1 one-hour Museum visit targeting exhibits that relate to their course curriculum. Earth Science and Astronomy classes will visit the exhibits titled – "The Color of the Moon: Lunar Painting in American Art" and "A Century of Lunar Photography – and Beyond." The US History class will visit the exhibit titled – "Women & War: Feminine Imagery in WWI Posters." The ELA classes will visit the exhibits of "Maya Lin: A River is a Drawing" and "The Hudson Riverama."
2. The students will have the opportunity to attend 1 one-hour Hudson River Museum Planetarium show that supports and enhances Science and ELA experiences.
3. Professional Development opportunity for Riverside High School Science teachers during the 2018-19 academic year. 3 teachers will attend 1 two-hour professional development session developing lessons that connect directly to their individual curriculum, building in the museum experiences to enrich student learning.

4. Hudson River Museum will provide Free Admission through the end of the 2018-19 school year for all participating students, teachers, and their families.

2. AMOUNT OF SERVICE

During the 2018-19 school year, the Hudson River Museum will provide Riverside High School with 9 one-hour Museum exhibit visits and activities related to Science, US History, ELA, and CTE curriculum for each of the courses identified for the 6 participating teachers (class size varying between 20-30 students). This will be 540 minutes of museum visits for all teachers. In addition, there will be 1 60-minute culminating Planetarium show for the science classes. There will be 1 two-hour (120 minutes) professional development sessions for the participating teachers. All the services will be provided at the Museum and transportation is not included.

3. WHO IS SERVED?

Riverside High School P-Tech Cohort students through 6 participating teacher courses will be serviced directly by the Hudson River Museum to engage and enrich their learning in Social Studies, ELA, and Science through its permanent collection and/or special exhibitions, and Planetarium.

3 Riverside High School teachers will participate in professional development that will assist the teachers to create enriching lessons utilizing the museum exhibits and activities that will serve all participating P-Tech students.

4. WHO WILL PROVIDE SERVICES?

Hudson River Museum Staff- Ms. Saralinda Lichtblau- Assistant Director, Education, Mr. Marc Taylor, Manager, Planetarium and Science Programs, and Ms. Bridget McCormick, Museum Educator, School Programs.

5. WHAT WILL BE COMMUNICATED TO DISTRICT PERSONNEL, PARENTS, OTHERS ABOUT PROGRESS AND RESULTS OF THE SERVICES?

- Letter Home to Parents
- Copy of updated syllabus to include HRM visits
- Student Permission Slips
- Monthly Updates on the Riverside P-Tech Website
- Connect Ed Phone Calls
- Student Learning displayed in classroom and the building
- Teachers to share their experiences at department meetings and common planning time

6. HOW WILL THE QUALITY BE JUDGED?

- Setting learning goals with students
- Pre and post assessments during in each class
- Student completion of activities based grading rubrics
- Student survey of participation in Museum activities

- PD evaluation forms to be completed by teachers after each workshop

7. PERSONS RESPONSIBLE FOR ADMINISTERING THE CONTRACT.

Dr. Don N. Solimene- Principal, Riverside High School

CONTRACTOR'S NAME, ADDRESS & CONTACT INFORMATION:

Hudson River Museum, 511 Warburton Ave., Yonkers, NY 10701

Saralinda Lichtblau, MS Ed., Assistant Director, Education

CONTRACTOR'S FEDERAL IDENTIFICATION NUMBER: 13-2670081

CONTRACTOR'S STATUS: Corporation, New York

8. ARE THE SERVICES PURSUANT TO A GRANT AGREEMENT? IF YES, WHAT IS THE GRANT AND WHAT ARE THE GRANT REQUIREMENTS RELATED TO THIS AGREEMENT?

Pathways in Technology Early College High Schools Grant (P-Tech)

The P-Tech is a NY State initiative to provide high school students with early college experience and engage them in meaningful learning that will carry them for a lifetime. Students who otherwise would not have had opportunity to attend college or have enriching learning experiences due to financial constraints, now have the opportunity to deepen their learning experiences and challenge themselves as global citizens of tomorrow that are ready for both college and careers.

P-Tech students will be able to connect their learning through the museum's current exhibits and special events. For example, the Museum is currently exhibiting "Maya Lin: A River is a Drawing," "Women & War: Feminine Imagery in WWI Posters," and upcoming spring exhibits of "The Color of the Moon: Lunar Painting in American Art" and "A Century of Lunar Photography – and Beyond," all of which provide interdisciplinary learning experiences. The spring exhibits also mark the celebration of the 50th anniversary of the historic Apollo 11 moon landing.

P-Tech students in AP US History can view the World War I posters and engage in understanding the sentiments exhibited by the population during World War I, where citizens supported the war not only by enlisting in the armed forces, but by buying war bonds, conserving food, contributing to the Red Cross and working in war-related productions. Installed to commemorate the Centennial of WWI, these images, in particular, reflect the roles and perceptions of women at the time. Students can learn about the printing processes and art of chromolithography that allowed mass-production of these posters which, used to advertise key messages of that period. Students can gauge the importance of the poster in its period setting and translate that knowledge to the current period of change.

Students in ELA can use the Hudson River exhibits that focus on the natural world through art, science, history, and culture to generate dialogue and debate, both verbal and written, as well as empathy. "Maya Lin: A River is a Drawing" is a groundbreaking

exhibit from renowned artist, architect, and Presidential Medal of Freedom recipient, Maya Lin. The exhibit will engage students in considering the role of humanity in the landscape while exploring the geography, topography, and history of the Hudson River, and the environmental issues surrounding it. Students can further their experiences by creating 3-dimensional maps of the Hudson River topography through their Computer Aided-Design course in technology.

“The Color of the Moon” and “A Century of Lunar Photography” celebrate the 50th anniversary of the historic moon landing. These exhibits offer a unique and relevant perspective to the students as they delve into the mystery and enchantment of the moon through works of American lunar art and the stories they inspire. Students will have the opportunity to create and write about the phases of the moon while connecting the observed scientific data and ancient myths.

Science teachers will participate in professional development with the Manager of the Museum’s Planetarium to preview and plan for a culminating show related to the earth science and astronomy curriculum.

Exhibit	Teacher	Expected number of students participants	Grade	Number of Visits	Approximate time period of visits
Maya Lin: A River is a Drawing	Ms. Youhan Mr. Fanek	22 (Class 1) 16 (Class 2)	PTech-11 (ELA)	1 for each class	January
Hudson Riverama	Ms. Youhan Mr. Fanek	22 (Class 1) 16 (Class 2)	PTech-11 (ELA)	1 for each class	February
World War I Posters	Mr. Frustaglio	24	PTech-11 (US History)	1	January
PD/Planning for Lunar exhibits	Ms. Jakab Mr. Vellozzi Mr. Stavrides	-	-	1 (2 hour session)	February
The Color of the Moon and Lunar Photography	Ms. Jakab Mr. Vellozzi Mr. Stavrides	20 (Class 1) 20 (Class 2) 20 (Class 3) 17 (Class 4)	PTech 9 PTech 10 (Earth Science) (Astronomy)	1 for each class	March-April
Planetarium – Astronomy Show	Ms. Jakab Mr. Vellozzi Mr. Stavrides	20 (Class 1) 20 (Class 2) 20 (Class 3) 17 (Class 4)	PTech 9 PTech 10 (Earth Science) (Astronomy)	1 combined visit	April