

History, Art and Science Converge Through These Teacher Professional Development Workshops!

Brookhaven National Laboratory and The Long Island Museum, in collaboration with Eastern Suffolk BOCES, will present two virtual professional development workshops for 3rd to 12th grade teachers this spring. Join us to explore the Long Island Museum's upcoming exhibition, *Atoms to Cosmos: The Story of Brookhaven National Laboratory*. Preview content of the exhibition and investigate related curriculum-based activities during two different 90-minute workshops:

Changes in Technology: PET Scanners and Other Scientific Breakthroughs (April 5, 2022 4:00 – 5:30 p.m.)

Over the past 75 years, Brookhaven Lab has been a driver of change in technology. From large-scale particle detectors to video games, there are exhibit elements that will appeal to all subjects and grade levels. Through a series of short activities related to the exhibit, we'll take a closer look at the evolution of technologies developed at Brookhaven Lab, including PET scanners, medical isotope treatments, and particle detectors that tell us about the early universe.

Light as a Tool for Science (April 6, 2022 4:00-5:30 p.m.).

Researchers gain valuable information from light, from the visible spectrum to x-rays and beyond. This has enabled science to develop opportunities to learn more about historical pieces of art and create new artwork. We will explore using light as a tool for art through shadows, spectroscopy and synchrotron science. Learn about the electromagnetic spectrum and how the science of light applies to both art and scientific discovery through the use of diffraction grating glasses.

Connections to science, social studies and art standards will be emphasized. CTLE credits will be provided upon completion of one or both sessions. (2.5 CTLE credits for each session which includes participation in the 90 min Zoom workshop plus 60 minutes for independent lesson plan development) \$25 for each session and pre-registration required. For more information or to register, please email educators@longislandmuseum.org, call 631 751 0066 xt 212 or fill out this [Google form](#).

