







Spotlight

BROOKHAVEN NATIONAL LABORATORY**



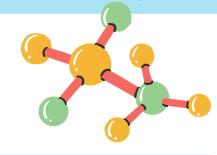
Brookhaven National Laboratory provides exciting opportunities to drive excitement for students and educators in science, technology, engineering and mathematics (STEM) by exploring Brookhaven Lab's research initiatives.

Build a Better Battery Through Chemistry

After an introduction to atoms, molecules, and chemical reactions, students design and perform an experiment that tests properties of metals and electrolytes for their potential as conductors for a wet cell battery.

Encryption Cyber Security

BNL takes all safety very seriously, and that includes cyber security! In this lesson, students will learn about simple encryption and decryption of text files using a short C++ program. No coding knowledge is needed to enjoy this experience!



Collisions

Using marbles, students perform an experiment that models sub-atomic particle collisions in the Relativistic Heavy Ion Collider (RHIC). Students will make observations for analysis to learn about how energy is transferred in different types of collisions.



Detecting the Building Blocks of Matter, Discovering Solar Panels, DNA Analysis, DNA Extraction, Gene Transfer and Genetic Engineering, Nanotechnology and much more!



Details including contact information & pricing can be found along with similar programs in the Eastern Suffolk BOCES Arts-In Education online catalogue: artsined.esboces.org

Eastern Suffolk BOCES does not discriminate against any employee, student, applicant for employment, or candidate for enrollment on the basis of sex, gender, race, color, religion or creed, age, weight, national origin, marital status, disability, sexual orientation, gender identity or expression, transgender status, military or veteran status, domestic violence victim status, genetic predisposition or carrier status, or any other classification protected by Federal, State, or local law. This policy of nondiscrimination includes: access by students to educational programs, student activities, recruitment, appointment and promotion of employees, salaries, pay, and other benefits. ESBOCES also provides equal access to the Boy Scouts and other designated youth groups. ESBOCES fully complies with all applicable rules and regulations pertaining to civil rights for students and employees (e.g., Title IX of the Education Amendments of 1972, \$504 of the Rehabilitation Act of 1973, Titles VI and VII of the Civil Rights Act of 1964, Dignity for All Students Act, \$303 of Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and the Boy Scouts of American Equal Access Act of 2001). Inquiries regarding the implementation of the above laws should be directed to either of the ESBOCES Civil Rights Compliance Officers at ComplianceOfficers@esboces.org: the Assistant Superintendent for Human Resources, 631-687-3029, or the Associate Superintendent for Educational Services, 631-687-3056, 201 Sunrise Highway, Patchogue, NY 11772. Inquiries may also be addressed to the Office for Civil Rights at the US Department of Education, 32 Old Slip, 26th Floor, New York, NY 10005, 646-428-3800, OCR.NewYork@ed.gov.