

# DISCOVERY WORLD

## STEM CENTER

CAMP SOBACO, YAPHANK



Step outside the classroom and afford your students a unique and exciting hands-on experience with our Discovery World STEM Center programs. All programs run 90 minutes. Pricing is based on a class size up to 30 students. Multiple classes are easily accommodated.

### BOCES Art-in-Ed

School Districts are eligible to receive reimbursement from New York State for a portion of the cost of those programs, based on your district's State Aid Ratio. Contact the BOCES Arts-in-Education office at (631) 286-6989 for details.

#### The Power of Pollock

Grades K - 3 • \$250

The awesomeness of art and science collide in this innovative workshop featuring the works of world-renowned artist Jackson Pollock, where students will explore Pollock's famous drip technique. They will then discover the physics behind objects such as magnets and marbles and create their own innovative work of art.

#### The Kandinsky Connection

Grades 4 - 8 • \$300

Explore the stunning connection between sound, color, art and emotion through 20th century Russian painter and art theorist Wassily Kandinsky. Students will use an exciting myriad of colors and techniques to express their emotional response to music through creating unique works of abstract art.

#### Nature's Palette

Grades 4 - 8 • \$300

Explore Camp Sobaco's beautiful grounds & photograph and collect foliage of interest. Observe the flora through magnifying glasses & microscopes. Be introduced to the artwork and technique of a famous artist inspired by nature. Return to the outdoors to create art that includes your collected specimens using the techniques of the featured artist.

### STEM on the Go - We bring it to you!

#### Introduction to Robotics

Grades 4 - 6 • \$300

An interactive overview of robotics, followed by group cooperation as each group assembles and tests its robotic creations. Materials used include LEGO robotics components from the First LEGO League. *Originally presented at BOCES' Annual Conference for Kids.*

### Custom Programs Just For You!

Our talented team of educators can customize a program for your students based on your needs. Our unique facility, located on a Pine Barrens campgrounds and outdoor recreation area on the banks of the Carman's River, offers a host of opportunities for collaboration.

**Questions or scheduling program:**  
[girlscouts@gssc.us](mailto:girlscouts@gssc.us) • (631) 543-6622

Discovery World STEM Center, Camp Sobaco  
229 German Blvd. Yaphank, NY 11980 • [gssc.us](http://gssc.us)



### BOCES Exploratory Enrichment

#### River Rangers

Grades 4 - 8 • \$250

Take part in an in-depth study of the Carman's River and its importance to our local ecosystem. Conduct soil testing, water analysis and investigate surrounding animal and plant life. Participants will have an opportunity to collect, analyze and identify a variety of the river's inhabitants. Also available as a three-season study for comparative data analysis for \$750. *This program originated with the Open Space Stewardship Program administered in partnership with Brookhaven National Laboratory.*

#### Head in the Clouds

Grades 1 - 5 • \$250

Curious about cumulus? Explore clouds and the important role they play in our environment. Analyze weather reports and create your own weather window tool to identify cloud formations. Witness a lightning demonstration, visit our precipitation station and then journey through the water cycle.

#### Catapults!

Grades 2 - 6 • \$280

Examine everyday items that use simple machines. Discuss catapult history, design and uses today. Engineer your own catapult and adjust your design so objects travel further. Experiment with projecting different items, measure distances, and take aim during our giant slingshot challenge!

#### Pollution Solutions

Grades 2 - 4 • \$200

Discover the impact that pollution has on our water system and ways to prevent it. Examine different types of pollutants and brainstorm filtration processes specific to each. Engineer a water filtration system and test and improve upon your designs!

#### Bullseye!

Grades 4 - 8 • \$300

Learn the historical significance and evolution of the bow and arrow and how it relates to pulleys, pendulums and energy. Adjourn to the archery range for a lesson by a certified instructor and time to practice newly-acquired skills.