

Staten Island Academy

Summer Institute for the Gifted



For more information
or to request an application
please contact us or
visit us on the web:

Staten Island Academy
Summer Institute
for the Gifted
715 Todt Hill Road
Staten Island, NY 10304

Phone: 718-303-5524
Fax: 718-979-7641

www.statenislandacademy.org/camp

Courses for Students currently in Grades 4-6

Humanities

Speaking, Writing, Empowering!: Learn how to be a mass communicator through developing your writing and public speaking skills. Work on precision of language, imagery, figures of speech and the revision process. Discover how you can use the power of your words to motivate, persuade, influence, inform, or entertain others. Investigate how to turn your skills, interests and knowledge into speaking topics. Become a communicator who will have the potential to earn applause, admiration and financial prosperity while motivating others.

Going to Court: Through the process of enacting trials, you will experience the justice system of the United States. You'll become the judge, jury, prosecutor, defender or witness. Through active involvement in the courtroom drama, you will learn to organize facts, develop your speaking and questioning abilities and understand the concepts of justice through jury deliberation.

Math and Science

Anticipating Algebra: "When will I ever use algebra?" you ask. Here's one way. Introduce yourself to pre-algebra through this class that focuses on applications of algebra in the world. In addition to tackling concepts of linear equations, polynomial functions and factoring, you may also have time for fun with games, tessellations and probability.

Marine Biology: Oceans cover 71 percent of the Earth's surface and contain vast resources with 13,000 species of fish and 50,000 species of mollusks. No wonder marine biologists have so much to study! This course will examine the work of these biologists, looking at historical and current research as well as environmental concerns. Find out more about this exciting science and what you can do to protect the ecology of the oceans.

Chemistry: The Essential Element: Experiment with domestic chemicals, environmental materials, foods and living organisms to discover the chemical nature of substances, their properties, reactions and uses in daily life. Excite your curiosity with observation skills sensitized to the world of chemistry and the basics of chemical theory. This course is an excellent way to introduce you to the fundamentals of chemistry and laboratory procedures.

DNA and Evolution: How do cells make copies of themselves? How do your hair follicles generate protein to keep growing? Investigate the structure of DNA and the processes by which it creates proteins. Learn what turns genes on and off. Gain an understanding of how species have evolved. Debate the ethical uses of DNA knowledge and the pros and cons of biotechnology.

Multidisciplinary and Creative and Performing Arts offerings on reverse.



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Multidisciplinary

Future City Design: Explore the challenges of the future! Take on the roles of chemical, mechanical, electrical, aeronautical and civil engineers as you develop a vision for a future city. Construct a scale model that evidences your ideas for future architectural design, transportation, communication, recreation, environmental concerns and the health and safety of your future citizens.

Spying: Secrets, Surveillance and Science: Have you ever wondered what it would be like to be a spy? To have at your disposal the wild gadgets seen in movies like Mission Impossible and the James Bond series? Come discover how spies keep—or uncover—secrets. Find out more about the skills, equipment and techniques that spies use, such as going under cover, mastering the Morse code and building devices to see and hear through walls! Get an inside look at the science behind spy gadgets and tricks of the trade. Even if you have no desire to be a secret agent or work for the CIA, this course will give you some useful tips about human behavior and about getting the information you want from others.

Move Over Sherlock: How do real detectives solve mysteries? Come examine how modern crime investigators use cutting-edge scientific discoveries to search for evidence, gather clues and analyze data. Participate in a simulated mystery where you become the detective as you learn skills in logic, inductive and deductive reasoning, data collection and analysis. This is a great way to practice using your science knowledge!

Creative and Performing Arts

Theater: From Improvisation to Characterization: In this drama class, you will enjoy an introduction to the fantasy world created in the theater. Participants will examine various aspects of theater production, including practice with improvisation, taking on an acting role, analyzing a scene, designing a set and performing for an audience. Focus will be given to thinking on your feet, creating a stage presence, developing scenes and projecting a character to the audience. For those who wish to be part of a program performance, some recreational hour rehearsals may be required.

Absolute A Capella: Who needs instruments? Learn about singing techniques and investigate harmonies as you make beautiful music together. Create your own renditions of some of your favorite popular songs!

A Stitch in Time: Sewing for Fun: Embrace your inner designer! We'll start with basic technique, including stitching and attaching buttons, and finish by creating original garments.

Humanities and Math and Science offerings on reverse.

