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LIU Post

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Center for Gifted Youth

Saturday Program Calendar

Spring 2013

LIU Post Center for Gifted Youth
Dr. Joseph Piro, Interim Director
Mr. Henry Mazer, Headmaster

720 Northern Blvd.
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Spring Semester

February 2 –April 27, 2013
9:00 A.M – 11:55 A.M.

February 2
February 9
February 16 **CLOSED** *President's Day*
February 23
March 2
March 9
March 16 **CLOSED** *Spring Recess*
March 23
March 30 **CLOSED** *Spring Recess*
April 6
April 13
April 20
April 27

Registration
Students should select, in priority order, three course choices for each hour. All choices listed on the registration form will be considered commitments. Should your child wish to be enrolled in a course with another child, a note signed by both parents must be attached to their registration forms.

Tuition & Deposit
Full tuition for the Saturday program is $1,606.00 for each 10-week semester, plus lab fees (see next page). The tuition includes an $803 non-refundable deposit per semester to be paid when you register your child. **We strongly recommend registering your child/children for both fall and spring semesters at this time.** We believe this improves your child's experience by providing continuing friendships among students and allowing us to plan in advance for the needs of the individual. Registering for both semesters may also prevent your child from being closed out of the program in the spring.

Guidelines

IMPORTANT: Please mail fall and/or spring forms directly to the Long Island University Center for Gifted Youth office.

We encourage all grade 2-6 students to select courses from a variety of disciplines each semester. This is an opportunity to take subjects that are not typically offered during the regular school week.

As students are not individually evaluated or tested in their classes, courses that are not in the child's area of strength should also be considered.

In order to ensure individual attention to each student, enrollment in our classes is limited. As soon as a course is filled, it will be closed. In order to avoid disappointment, it is advisable to register early. We cannot guarantee placement in the Saturday program.

Registration Policy

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THE SPRING 2013 TUITION IS $1,606.00

* Spring tuition balance is due by November 1, 2012

The LIUCGY office handles all deposits, tuition, and fees.
If we are unable to place your child because classes are full, the deposit will not be charged.
NOTE: $803.00 deposit is required for each semester for which your child is registering.

Refund Policy

- If you wish to withdraw your child from the Center for Gifted Youth prior to the start of the semester, the tuition minus the deposit may be refunded.
- The only circumstance in which the deposit will be refunded is if the student becomes seriously ill before the start of the semester and a doctor's note is provided.
- Assignment to any course chosen by your child on the registration form commits her/him to attend. Therefore, choose only courses that will be suitable for your child.
- All withdrawal requests must be made in writing.
- Once the semester has started, there will be no refunds.
- Tuition must be paid by the due dates listed above, or your child will be removed from classes for that semester and your deposit will be forfeited.
- Under no circumstances will deposit or tuition payments be applied to another student or another semester.

Laboratory Fees

A laboratory fee of $30 per science course will be charged to all students registered for science courses. These fees should be paid by separate check only after registration is confirmed and will be due at the same time as the tuition balance for that semester. Send no lab fees at this time.

Payments

Please make all checks payable to: **LONG ISLAND UNIVERSITY**.

Be sure to include the full name of the student at the bottom of your check so that you will be credited correctly.

You may also pay by credit card (**MasterCard, Visa or Discover**) by completing the attached payment form(s) and forwarding this information to our office via mail or fax 516.299.3323.

We require a signature, name of credit card, credit card number, expiration date, and CVV (3 numbers on the back of the card above your signature).

Mail all checks or credit card information with the completed payment form to:

Vera Savino
LIU Center for Gifted Youth
College of Education and Information Sciences
Library Room 23
720 Northern Boulevard
Brookville, NY 11548-1300

CLASS SCHEDULE

Time	SPRING February 2 – April 27, 2013
Kindergarten -1 **9 A.M. – 11:55 A.M.**	Saturday Express: Science*, Mathematics, Humanities
Grades 2-3 **Period 1** **9 A.M. – 9:55 A.M.**	Forensic Science: Who Did it? * Investigations in Physical Science I* Mathematical Problem Solving Keyboard Kids: Create Your Own Search Engine The Robot Age: Rise of the Machine*
Grades 2-3 **Period 2** **10:00 A.M. – 10:55 A.M.**	Forensic Science: Who Did it? * Investigations in Physical Science I* Mathematical Problem Solving Keyboard Kids: Create Your Own Search Engine The Robot Age: Rise of the Machine*
Grades 2-3 **Period 3** **11A.M. – 11:55 A.M.**	Forensic Science: Who Did it? * Investigations in Physical Science I* Mathematical Problem Solving Keyboard Kids: Create Your Own Search Engine The Robot Age: Rise of the Machine*
Grades 4-6 **Period 1** **9 A.M. – 9:55 A.M.**	Advanced Math Brain Games Buildings that Changed the World* Consumer Chemistry* Law, Liberty and You Marine Biology: Preserving a Delicate Balance* Optics and Lasers* Write Like Stephen King
Grades 4-6 **Period 2** **10:00 A.M. – 10:55 A.M.**	Advanced Math Brain Games Buildings that Changed the World* Consumer Chemistry* Law, Liberty and You Marine Biology: Preserving a Delicate Balance* Optics and Lasers* Write Like Stephen King
Grades 4-6 **Period 3** **11A.M. – 11:55 A.M.**	Advanced Math Brain Games Buildings that Changed the World* Consumer Chemistry* Law, Liberty and You Marine Biology: Preserving a Delicate Balance* Optics and Lasers* Write Like Stephen King

***Science Fees Apply**

K-6 PROGRAM TECHNOLOGY INFUSION

For gifted students, 21st century learning presents unique challenges. To ensure that students in the CGY are well-prepared for these challenges, we are working to update our curriculum offerings so that skills including communication, creativity, collaboration, and critical thinking are well-represented. In addition, we are upgrading our technology infrastructure to offer students stimulating opportunities to experience cutting edge resources.

Among these resources will be new media tools including net books and i-pads. Many courses will be Internet-based and include such applications as a customized Google search tool, graphing calculators, and software animation programs from MIT. Our goal is to infuse technology within the framework of our program in order to provide a more challenging, meaningful, and appropriate educational experiences for our gifted students preparing them for diverse leadership roles in the 21st century.

SATURDAY SPRING COURSE DESCRIPTIONS

K-1 SATURDAY EXPRESS
HUMANITIES, MATHEMATICS, SCIENCES

The Saturday Express is a program of exploration and discovery in science, mathematics, and the humanities. Students will be exposed to challenging ideas and concepts rarely introduced or explored at the early childhood level. They will be provided with hands-on learning experiences by expert instructors in their fields at a depth and pace appropriate to gifted children.

One class will emphasize mathematical thinking. Students will be encouraged to problem solve while having fun with shapes and numbers, as well as learn a variety of mathematical concepts. Another class will highlight the exploration of individual thematic units in science. The third class will emphasize the humanities, integrating literature, social studies, and the cultural arts, in interdisciplinary study.

Maximum attention is provided to each child in a non-pressured setting that encourages risk-taking and independent thought and action. Children are also given many opportunities to interact both intellectually and socially. These courses are designed so that students can participate for four consecutive semesters without repeating content.

SPRING 2013 COURSE DESCRIPTIONS GRADES 2-3

Computers & Humanities

KEYBOARD KIDS: CREATE YOUR OWN SEARCH ENGINE
Google is one of the great tools of the early 21st century. Google's mission from its beginning has been "to organize the world's information and make it universally accessible and useful." However, the results for younger students are generally not age appropriate. The solution, available through Google, is creating a custom search tool. The students will study search engines, develop their own databases, and join together to make a class search engine that is kid friendly. The end product is eye opening and valuable: a custom made Google search engine that can organize information for the benefit of others.

THE ROBOT AGE: RISE OF THE MACHINE
This course is designed to introduce students to the "age of robots," helping them understand how robots of the 21st century may change the way people live. Robots come in many shapes and sizes and have the potential to perform different tasks. Students will have an opportunity to pretend they are robotic engineers and design blueprints for robots of the future. Students will even imagine robots of the future that replace Mom or Dad's job!

Mathematics

MATHEMATICAL PROBLEM SOLVING
This course will focus on developing good mathematical problem solving techniques. Students will learn to identify key words, find pertinent information and select an appropriate strategy for solving problems. They will also learn to use diagrams, models and charts to organize information. Classroom lessons will include short presentations on the various techniques used in problem solving followed by individualized, challenging exercises which will allow students to practice and improve their problem solving abilities. Special care will be given to provide a variety of problems to meet the needs, interests and abilities of each student. New problems are presented each semester.

Science

FORENSIC SCIENCE: WHO DID IT?
Due to many recent television shows and books, forensics has become very popular. This class is an introduction to the fundamentals of the science behind it. The students will learn to find fingerprints, solve puzzles, and use other activities to uncover clues to help them solve cases.

INVESTIGATIONS IN PHYSICAL SCIENCE I
New ideas are presented each semester. There are no prerequisites for this course.
This course is designed to provide a variety of learning experiences that will introduce students to the basic concepts of chemistry and physics. Students will investigate such topics as air pressure, buoyancy, gravity, density of matter, temperature, heat, chemical reactions and electromagnetism. Activities will stress the development of skills and understandings related to the physical sciences.

SPRING 2013 COURSE DESCRIPTIONS GRADES 4-6

Computers & Humanities

BUILDINGS THAT CHANGED THE WORLD
Buildings are everywhere. Whether they provide shelter, offer entertainment, or honor people and significant events, they become part of culture and history. This course will teach students about important buildings around the world and some new ways to look at them. Not only will students look at buildings, but learn how to "read" them as well. The class will be interdisciplinary in focus. Students will discuss technology, mathematics, art, history, and their relationship to how and why the buildings were constructed, and the influence of the culture on the design and eventual use of the buildings.

LAW, LIBERTY AND YOU
This course is designed to help students understand the central role played by our Constitution in our government and legal systems. Through the use of mock trials, case studies, analysis of legal procedures, etc. students will examine such topics as individual and civil rights, the workings of the Supreme Court, Federalism and Separation of Powers. This course will strive to encourage students to "think as lawyers" as a means of exploring the legal profession and current controversial topics such as free speech, privacy and gun control.

WRITE LIKE STEPHEN KING
The world's best-selling living novelist endorses and employs a theory of character driven fiction, wherein character performs as the catalyst to plot. Students will learn to use the interview technique to identify and introduce believable and effective characters in their stories. They will proceed from their interviews to employ the theory of character driven fiction in revealing situation and setting, the characters broadly and loosely, the presentation of a problem or conflict, resulting in a narrative. Models will be drawn from such contemporary authors as King and Joyce Carol Oates.

Mathematics

ADVANCED BRAIN GAMES
This course is designed to give each student learning experiences that are challenging and fun-filled. While solving brain teasers and playing brain games, students will learn to organize sets of clues (some direct, some indirect) and reach logical conclusions by using pure deductive reasoning.

Science

CONSUMER CHEMISTRY
Each of us at various times plays the role of "consumer" whenever we shop. We are faced with decisions due to many different brands and styles. How do we know which item is best?
The students will perform laboratory activities to compare and evaluate a variety of products.
In addition they will investigate the impact that the media and commercials play in this process.

MARINE BIOLOGY: PRESERVING A DELICATE BALANCE

Oceans, seas, bays, and estuaries represent environments, which cover three quarters of the earth's surface. Students will learn about the critical and delicate balance that is threatened by the introduction of pollutants, as well as the incredible diversity of marine life and resources found within the world's oceans. Students will also perform a series of detailed investigations of various forms of marine organisms, including micro-organisms, planktons, echinoderms, mollusks, squids, and fish.

OPTICS & LASERS

This course serves as an introduction to optics, lasers and laser applications including holography. Students will study the eye, lenses, mirrors and other optical devices and use the laser as their light source. Types of lasers and their uses in industrial, medical and scientific applications will be investigated. Lasers used are low (one thousandth of a watt) power, and therefore, are in no way hazardous to students.