

Family Academic Programs

Spring/Summer 2013



JOHNS HOPKINS

CENTER FOR TALENTED YOUTH

www.cty.jhu.edu/family

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Welcome

At Family Academic Programs, education is a family affair. Our programs are designed for CTY Talent Search participants and their parents to attend together. All CTY Talent Search participants are eligible to attend Family Academic Programs. There are no minimum qualifying scores required.

Family Academic Programs offers engaging educational opportunities that develop the mind, encourage achievement, and nurture social development. Our host locations—predominantly concentrated in the Mid-Atlantic and Northeast states and along the West Coast—include prestigious colleges, universities, research institutions, museums, science and nature centers, and aquariums. All of our programs are tailored to the unique needs of academically-talented students and are offered exclusively to CTY families.

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New programs are continuously announced on our website. Please visit www.cty.jhu.edu/family for the most current program schedules. If you have any questions, you can reach us at 410-735-6115 or ctyfam@jhu.edu.

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Follow us on twitter: [@cty_family](https://twitter.com/cty_family)

Curiosity and the excitement of learning are what make our youngest CTY members such a unique and welcome age group to Family Academic Programs. The importance of the early years in setting positive patterns of achievement is essential. These imaginative and interactive programs are designed specifically for CTY students in grades 2–4 to promote optimal development of their gifts.

The Series . . .

Our Creative Connections Series includes one-day and overnight hands-on learning experiences for students and parents at prestigious museums, science and nature centers, and aquariums. Program structure varies at each site, but every event includes activities designed to provide a stimulating environment in which families can learn together and discover fascinating new interests. For the most current program offerings, visit www.cty.jhu.edu/family/grades2-4.

One Day Programs

Asian Art Museum • San Francisco, CA

Saturday, March 2, 2013

Please see page 9 for program description and details.

Cost: \$95 per person

Beverly Hills Chess Club • Beverly Hills, CA

Sunday, March 10, 2013

Please see page 9 for program description and details.

Cost: \$95 per person



National Building Museum • Washington, DC

Sunday, April 21, 2013

Consider buildings and cities in new ways during an exciting day of hands-on activities and adventures in this historic museum. Become a detective while investigating the Museum during an architectural scavenger hunt. Transform yourself into an architect and city planner as you design and construct a model building for our CTY city. Explore the Museum's new interactive exhibition, *PLAYWORK BUILD*, which examines the history and creative range of block play. *This program begins at 9 a.m. and ends around 4 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person

Walters Art Museum • Baltimore, MD

Sunday, April 28, 2013

Attention art and history lovers! Travel back in time and tour the special exhibition *New Eyes on America: The Genius of Richard Caton Woodville*. Woodville's humorous characterizations of contemporary life will give you a unique perspective on this fascinating period of 19th century life. Discover the hidden stories revealed when conservators clean, x-ray, and analyze works of art. Become an artist yourself during a hands-on art project. We will end the day with a lively performance by Jon Spelman, one of America's leading storytellers. *This program begins at 9 a.m. and ends at 4 p.m. Morning refreshments and lunch are included. This program will have two sections—one for students in grades 2–4 and another for students in grades 5–7. There will be separate age-appropriate programming offered in each section.*

Cost: \$95 per person

Adkins Arboretum • Ridgely, MD

Sunday, May 19, 2013

In this remarkable new program, we will be introduced to food webs and create a living web. We will go birding with an ornithologist, study minute life with microscopes, conduct habitat field work, and examine skulls to assess an animal's place on the food chain and in the environment. Take what you have learned and become an artist to create a Wetland Web. Adkins Arboretum, a 400-acre native garden and preserve, promotes the conservation and restoration of the Chesapeake Bay region's native landscapes. *This program will begin around 10 a.m. and end around 4 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person

New York Botanical Garden • Bronx, NY**Sunday, June 2, 2013**

In this fascinating program, we will observe plants to discover healing properties helpful to human wellness; visit a garden evocative of the Botanical Garden of Padua, the first botanical garden established in association with a medical school; learn about the therapeutic uses of plants by creating our own herbal blend using scientific observation of plants; and hike through a native forest to find out how its first inhabitants, Native Americans, used native plants for food and medicine. *This program begins around 8:30 a.m. and ends around 3:30 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person

**Ocean Institute • Dana Point, CA****Sunday, July 14, 2013**

Join us for a hands-on scientific adventure in the tide pools, open ocean, and the lab. Families will investigate how scientists study the lifecycles of tide pool animals by using microscopes, dissecting a squid, and visiting the touch-tank. We will learn how the changing seasons affect the shoreline environment and its inhabitants. The adventure continues with a trip to see the tide pools first hand, and then it's on to the Research Vessel *Sea Explorer* to look for dolphins and whales! *This program begins around 9 a.m. and ends around 3:30 p.m. Lunch is included.*

Cost: \$120 per person

**Monterey Bay Aquarium • Monterey, CA****Sunday, August 4, 2013**

Begin the day by taking part in private feedings as you learn how the staff cares for the more than 30,000 plants and animals. Students will then join the Underwater Explorers Diving program, where they will get a “fish-eye” view of the Great Tide Pool by donning masks, regulators, and dry suits for a surface SCUBA experience. The Aquarium’s certified dive staff will assist students in the water and introduce them to the animals that live along the rocky shore. Top that with a special discovery lab experience and a behind-the-scenes tour of the galleries and exhibits, and you will have a day of marine discovery like no other! *This program begins around 7:30 a.m. and ends around 3:30 p.m. Morning refreshments are included. Please note: Monterey Bay Aquarium requires all children be at least 8 years old and not older than 13 to participate in this program.*

Cost: \$175 per student • \$125 per adult



08-244: © Monterey Bay Aquarium/Randy Wilder

Beverly Hills Chess Club • Beverly Hills, CA**Saturday, August 10 and Sunday, August 11, 2013**

This two-day program has been designed exclusively for players who have attended past CTY chess programs and for other experienced players. We begin reviewing rules, tactics, and strategies, and address such topics as king safety, pawn structure, opposition, and decoy. Use this new knowledge to play match games; participate in a simultaneous exhibition with skilled chess players; and take part in stimulating chess puzzles. Focusing on chess strategies will be an integral part of the program, which will be headed by International Master and author, Roman Yankovsky. *The program begins around 10 a.m. and ends around 4 p.m. each day. Morning refreshments and lunch are included. This program will have different sections based on skill level. There will be separate programming offered in each section.*

Cost: \$165 per person

Overnight Programs

Historic Ships in Baltimore: Taney, Torsk, and Chesapeake • Baltimore, MD**Saturday, May 18 - Sunday, May 19, 2013**

Welcome aboard the Coast Guard Cutter *Taney*, United States Submarine *Torsk*, and Lightship *Chesapeake* for a unique overnight program designed specifically for CTY families. An experienced sailor will guide your exploration of these three different ships on which you will participate in hands-on activities that might include learning about Morse code, navigation, periscopes, and steam power. Become an honorary member of the United States Navy and Coast Guard, eat meals and sleep aboard the *Taney*, and have an experience you are sure to remember!

This overnight program begins around 4 p.m. on Saturday and ends around 9 a.m. on Sunday. Dinner, a snack, and light breakfast are included. Families should bring sleeping bags and pillows as you will be sleeping on bunks aboard the Taney.

Cost: \$165 per person



photo courtesy of Robert Trinia

Mount St. Helens Institute • Amboy, WA**Saturday, July 27 – Sunday, July 28, 2013**

Join us for this overnight adventure and experience a volcano at night. Be introduced to the ever-changing landscape of Mount St. Helens and the fascinating geological discoveries being made on the mountain; engage in hands-on scientific activities; take a night hike and learn about the stars; and visit the Johnson Ridge Observatory where constant monitoring of this active volcano is ongoing. This “campout” in the Coldwater Visitor Center offers spectacular views of the crater and lava dome, and sits in the shadows of magnificent Mount St. Helens. *This overnight program begins around 4 p.m. on Saturday and ends around 11 a.m. on Sunday. Dinner and light breakfast are included. Families should bring sleeping bags, mats, and pillows as you will be sleeping on the Visitor Center floor.*

Cost: \$165 per person

CTY Talent Search participants in the 5th – 7th grades are invited to experience the wealth of resources available at distinguished museums, aquariums, and nature and science centers. As determined by the unique focus of each host institution, scientists, naturalists, historians, artists, and other educators guide participants through an exploration of exhibits and activities, using their expertise to address the learning needs and curiosity of highly-able students.

The Series...

The Discovery Series includes one-day, overnight, and extended programs.* These programs vary widely. The series provides a stimulating environment where families share a common love of learning while discovering new interests together. For the most current program offerings, visit www.cty.jhu.edu/family/grades5-7.

* Due to the programming requirements of our host institutions, participants must be at least ten years old to attend any Discovery program.

One Day Programs

Asian Art Museum • San Francisco, CA

Saturday, March 2, 2013

Investigate the controversy and contributions of China's first emperor, Qin Shi Huangdi, who united his country and strengthened his rule through modernizing innovations. His quest for immortality led to the creation of a vast tomb complex known for its Terracotta Warriors. Examine the emperor's life through the galleries with the assistance of an archaeologist, a builder laboring on the Great Wall, and a scientist preserving the Terracotta Warriors. Work with an artist to design and create your own artful legacy genogram, a pictorial display of family relationships. *The program begins at 10 a.m. and ends around 4 p.m. Morning refreshments and lunch are included. This program will have two sections—one for students in grades 2–4 and another for students in grades 5–7. There will be separate age-appropriate programming offered in each section.*

Cost: \$95 per person



Beverly Hills Chess Club • Beverly Hills, CA

Sunday, March 10, 2013

Whether you are a beginner or an experienced chess player, this program has something for you! Learn or review rules, tactics, and strategies; play match games; participate in a simultaneous exhibition with skilled chess players; and take part in stimulating chess puzzles. Discover exciting variations in chess, such as *Bug House*, a team chess game played by four people, and *Monster Chess*, a game in which players have unequal armies. Join us and learn how chess improves visualization, advance planning, abstract thinking, decision making, and focusing skills. *The program begins at 10 a.m. and ends around 4 p.m. Morning refreshments and lunch are included. This program will have different sections—based on skill-level. There will be separate programming offered in each section.*

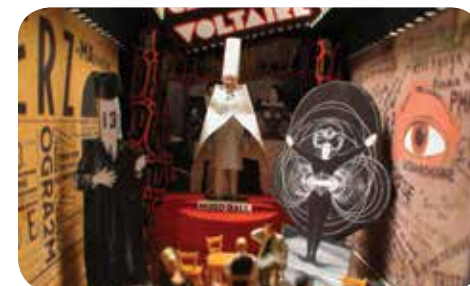
Cost: \$95 per person

American Visionary Art Museum • Baltimore, MD

Saturday, March 23, 2013

Spend a day at the national repository for self-taught artists. Visit the latest exhibition, *The Art of Storytelling: Lies, Enchantment, Humor & Truth*, and learn the fascinating tales behind the artists and their works. Take a journey through the miniature stories of artist Mars Tokyo and her *Theaters in the 13th Dimension*. Using her small, but visionary, approach to storytelling, transform empty spaces into 3-D stories of your own. Explore the power of “visual listening” and tell your personal story using unconventional methods and materials. *The program begins at 10 a.m. and ends around 4 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person



Teatro della Cabaret Voltaire (The Cabaret Voltaire) from “Theaters of the 13th Dimension” 2003-2007

Image courtesy of Mars Tokyo

Mercer Slough Environmental Education Center • Bellevue, WA**Saturday, March 30, 2013***Please see page 20 for program description and details.*

Cost: \$95 per person

Walters Art Museum • Baltimore, MD**Sunday, April 28, 2013***Please see page 5 for program description and details.*

Cost: \$95 per person

Newseum • Washington, DC**Saturday, May 4, 2013**

How powerful is a photograph? What responsibilities come with using photographs to tell a story? Through case studies, we consider the ethical dilemmas—both historical and contemporary—that photojournalists face while working to be accurate and fair. Focusing on the work of Jacob Riis, as well as Civil War photography, we consider the logistical and ethical implications created by new photographic technologies and to the issues raised when reporting from conflict zones. A customized gallery tour and photographic scavenger hunt will round out the day. *This program begins around 9 a.m. and ends around 3 p.m. Morning refreshments and a lunch voucher are included. Museum admission on Sunday is included.*

Cost: \$110 per person

National Building Museum • Washington, DC**Sunday, May 5, 2013**

Just like engineers, architects, and city planners, we use the design process every day to identify solutions to problems. Through interactive discussions and hands-on activities, determine how we design our world and learn how our communities are constructed. Investigate how engineers and city planners are working to create better places to live. Explore the Museum's new interactive exhibition, *PLAYWORK BUILD*, which examines the history and creative range of block play. Construct a 6 ½ x 13 foot geodesic dome, engineer a container to drop an egg 50 feet without breaking, and plan and build a city all in one day! *This program begins around 9 a.m. and ends around 4 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person

OceanQuest & Massachusetts Maritime Academy • Buzzards Bay, MA**Sunday, May 5, 2013**

Take a mini ocean research voyage aboard the *Venture Inn II*. Conduct scientific experiments, tow for plankton, handle local sea life, collect water samples, and determine the ocean's major chemical aspects. Explore coastal wetlands filled with a variety of creatures that make their home in the brackish water connecting inland rivers and ocean tides. Join an Academy instructor to build your own solar-powered vehicle to better understand the importance of alternative sources of energy. *This program begins around 9 a.m. and ends around 4 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person

**Museum of Mathematics • New York, NY****Saturday, June 15, 2013**

Join CTY for an intriguing new program at this fascinating new museum known as MoMath. Mathematics illuminates the patterns and structures all around us. This program will stimulate inquiry, spark curiosity, and reveal the wonders of math. *Please check our website for more specific details about the program.*

Cost: \$95 per person

Jefferson Patterson Park and Museum • St. Leonard, MD**Saturday, June 22, 2013**

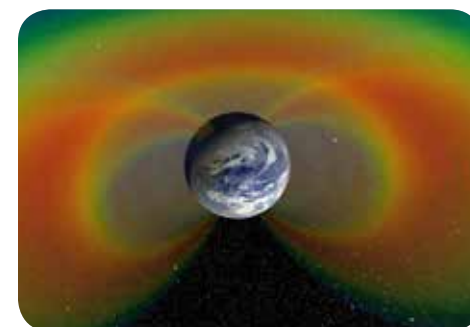
Investigate the past by working alongside professional archaeologists. Explore native life at a recreated Indian village based on period discoveries. Excavate at an 18th century plantation site on the Patuxent River, and work with conservators to analyze your findings at the state-of-the-art Maryland Archaeological Conservation Laboratory. Through hands-on activities and real life examples, travel back in time and discover the people behind the artifacts. *This program begins around 9 a.m. and ends around 4 p.m. Morning refreshments and lunch are included.*

Cost: \$95 per person

NASA Goddard Space Center • Greenbelt, MD**Friday, June 28, 2013****Friday, August 9, 2013**

NASA's Goddard Space Flight Center is a major U.S. laboratory for developing and operating unmanned scientific spacecraft. The Center manages many of NASA's Earth observation, astronomy, and space physics missions. Join CTY at Goddard to find out what it takes to send a rocket to space and what to do with it once it's there. Take a behind-the-scenes tour of the science labs, integration and testing facilities, and visualization studios. Spend time with world-renowned NASA scientists and conduct investigations into rocket science. Wrap up the day by making and launching your own "stomp rocket" and enjoying a liquid nitrogen ice cream treat. *Goddard Security requires that anyone attending the program be at least 10 years of age and a U.S. or naturalized citizen. This program begins at 10 a.m. and ends around 3:30 p.m. Lunch is included.*

Cost: \$95 per person

**Monterey Bay Aquarium • Monterey, CA****Sunday, July 14, 2013**

Take part in private feedings as you learn how the Aquarium cares for more than 30,000 plants and animals. Take a guided tour of the galleries with a naturalist to get an insider's view of the exhibits. Dissect a squid in order to learn where it lives and what it eats. Take a guided walk along historic Cannery Row to Fisherman's Wharf. Board the *Pacific Explorer*, a 75-foot whale watching vessel as we explore Monterey Bay and the animals that call it home while keeping our eyes out for whales, dolphins, and sea otters. *This program begins around 7:30 a.m. and ends around 6 p.m. Morning refreshments are included.*

Cost: \$160 per person

Beverly Hills Chess Club • Beverly Hills, CA**Saturday, August 10 and Sunday, August 11, 2013***Please see page 7 for program description and details.*

Cost: \$165 per person

Overnight Programs

Peabody Museum of Natural History at Yale University • New Haven, CT**Saturday, March 23 – Sunday, March 24, 2013**

Begin your adventure by tracking down a mysterious secret specimen within the halls of the museum. After an evening full of engaging workshops and discoveries, you will sleep among the prehistoric in the Great Hall of the Dinosaurs. Whether you are involved in a behind-the-scenes look at the ornithology, herpetology, or paleontology collections; learning how fossil preparators extract dinosaur bones from the surrounding matrix; meeting Yale scientists to learn how their research is answering questions about the planet's evolutionary history; or participating in a challenging game, you are sure to have an amazing overnight experience! *This overnight program begins around 5 p.m. on Saturday and ends around 11 a.m. on Sunday. It includes dinner, a snack, and light breakfast. Families should bring sleeping bags, mats, and pillows as you will be sleeping on the Museum floor.*



Cost: \$165 per person

International Spy Museum • Washington, DC**Saturday, April 27 – Sunday, April 28, 2013****Saturday, September 7 – Sunday, September 8, 2013**

The Museum doors have been locked for the night. Behind the shadows, a group of exclusive recruits stand ready to begin a night of top-secret spy training. Your mission begins with assuming a secret identity and gathering intelligence using real spy skills. During the night, you transform yourself through disguise; make and break secret codes; interrogate real spies; and hunt for a mole in your ranks! Meanwhile, the adults will be busy with their own super-clandestine mission, the details of which are too sensitive to reveal. As day breaks, enemy agents will be exposed in a dramatic finale. Recruits will reclaim their real identities, and this exciting mission will be accomplished! *This overnight program begins around 6 p.m. on Saturday and ends around 10 a.m. on Sunday. It includes dinner, a snack, and light breakfast. Families should bring sleeping bags, mats, and pillows as you will be sleeping on the Museum floor.*



Cost: \$165 per person

NYU School of Medicine Department of Environmental Medicine and Sterling Forest State Park • Tuxedo, NY**Saturday, May 18 – Sunday, May 19, 2013**

Don a lab coat and become a scientist for a day...and a night! Planned activities include conducting a DNA experiment under the guidance of a leading genetic toxicologist; extracting DNA from strawberries with common kitchen items; determining how clean our air is and how much air our lungs hold; and searching out bacteria from the world around us. Take a pond walk and an iron mine tour with a park ranger who will help you identify the variety of plants, animals, and birds within the forest. *This overnight program begins around 1 p.m. on Saturday and ends around 11 a.m. on Sunday. It includes dinner, snacks, and a light breakfast. Families should bring sleeping bags, mats, and pillows as you will be sleeping on the Visitor Center floor.*

Cost: \$165 per person

NatureBridge at Santa Monica Mountains • Malibu, CA**Saturday, June 15 – Sunday, June 16, 2013**

The Santa Monica Mountains National Recreation Area is the country's largest urban national park. We will spend a day exploring the Grotto, a boulder-filled canyon, and take part in a stream bio-monitoring project as we learn about watersheds, water use, and the human impact on our watersheds. The next day, we search for tide pool creatures at the Leo Carillo State Park beach and participate in climate change activities, litter analysis, and more! Field science educators will guide you through these fascinating investigations. *This overnight program begins around 10 a.m. on Saturday and ends around 2 p.m. on Sunday. It includes lunch and dinner on Saturday, and breakfast and lunch on Sunday. Families should bring sleeping bags and pillows as you will be sleeping in dorm-style cabins.*

Cost: \$200 per person

Ocean Institute • Dana Point, CA**Monday, July 22 – Tuesday, July 23, 2013***Please see page 22 for program description and details.*

Cost: \$225 per person

Mount St. Helens Institute • Amboy, WA**Saturday, August 17 – Sunday, August 18, 2013**

Explore a volcano at night! Under the guidance of a knowledgeable park ranger, scrutinize the ever-changing landscape of Mount St. Helens and the fascinating geological discoveries made on the mountain. Engage in hands-on scientific activities; take a night hike and learn about the stars; and trek in the Windy Ridge area, which has beautiful views of the volcano, the Pumice Plain, and Spirit Lake. We will camp-out in a primitive field camp near Windy Ridge and experience life in the great outdoors with other CTY families! *This overnight program begins around 4 p.m. on Saturday and ends around 11 a.m. on Sunday. It includes dinner and a light breakfast. Families should bring sleeping bags, mats, and pillows as you will be sleeping in large tents.*

Cost: \$165 per person



Extended Programs

Mote Marine Laboratory and Aquarium • Sarasota, FL

Saturday, March 23 – Tuesday, March 26, 2013

Dive into the amazing underwater world of marine life at this renowned research laboratory and aquarium. Mote Aquarium contains unique ocean animals native to Florida's diverse marine ecosystems, and is home to a Dolphin and Whale Hospital and Sea Turtle Rehabilitation Center. You will experience hands-on workshops, private guided tours of the Aquarium, kayaking through a mangrove forest, collecting critters with nets from Sarasota Bay, and much more. Whether touring the Bay aboard a private charter or dissecting a squid, you will have a unique visit to Florida. *This program begins around 5 p.m. on Saturday and ends around 5 p.m. on Tuesday. Some meals will be provided during the program. Hotel reservations and transportation are not included in the cost of this program.*

Cost: \$575 per person



Frank Lloyd Wright Foundation at Taliesin West • Scottsdale, AZ

Saturday, May 25 – Monday, May 27, 2013

Develop your own design ideas while working at Frank Lloyd Wright's architectural studio, Taliesin West. Learn how Wright took everyday shapes and objects and used them, along with vivid colors and patterns, to create buildings that are works of art. Immerse yourself in architecture contemplation and planning, designing a 2-dimensional floor plan to scale and building a 3-D model. Examine familiar objects from a different viewpoint and consider how interrelated subjects like math, science, art, and technology are used to create buildings. Theory and philosophy are combined with hands-on activities to explore new architectural forms, energy sources, and spaces. A private Night Lights tour of the estate and Desert Shelter walk are included. *This program begins around 9 a.m. on Saturday and ends around 11 a.m. on Monday. Some meals will be provided. Hotel reservations and transportation are not included in the cost of this program.*

Cost: \$575 per person



Living Classrooms Foundation • Baltimore, MD

Monday, July 29 – Friday, August 2, 2013

Please see page 22 for program description and details.

Cost: \$675 per person

"Odyssey" is not just a physical journey, but also refers to a journey of knowledge. CTY invites Talent Search participants in 7th–10th grades and their families to participate in our Odyssey series, which strives to introduce students to the wide range of disciplines outside of the natural sciences. The breadth of coverage in this series reflects a commitment to broaden our students' knowledge of the humanities and current events, thereby expanding understanding of the human condition.



The Series...

The Odyssey Series includes one-day and extended programs. These programs vary widely. Overall, the series provides a stimulating environment where families share a common love of learning while discovering new interests. The typical one-day program runs from approximately 9 a.m. to 4 p.m., and may include keynote addresses and specially-designed workshops and presentations. For the most current program offerings, visit www.cty.jhu.edu/family/grades7-12.

One Day Programs

Sheridan Libraries of Johns Hopkins University • Baltimore, MD

Saturday, March 30, 2013

Spend a day with the treasures of Johns Hopkins University's (JHU) collections of rare books and manuscripts, including ancient Babylonian tablets, first editions of Nicholas Copernicus' *De Revolutionibus*, Isaac Newton's *Principia*, and papers of the Founding Fathers. During this exclusive behind-the-scenes tour, CTY families will explore the history and abiding influence of books on culture, art, politics, religion, science, and technology. Illustrated informal lectures will be combined with hands-on tours and activities directly involving these rare books from JHU's historic libraries. We will also visit the newly opened Brody Learning Commons and its state-of-the-art conservation lab where these treasures are preserved for future generations. *Lunch is included.*

Cost: \$95 per person

Johns Hopkins Archaeological Museum • Baltimore, MD

Saturday, April 20, 2013

This program introduces CTY families to the role archaeology has played in the construction of human history. We will learn how archaeologists really work and how this is different from the Indiana Jones movie adventures. Students discover how archaeologists locate, excavate, and decipher sites and their artifacts. This behind-the-scenes visit to the new Archaeological Museum offers a unique opportunity to look more closely at select museum objects. With a mixture of lectures, discussions, and hands-on activities, families will explore some of the hidden stories behind many of the artifacts on view, including an Egyptian mummy, selected Greek figurines, and a Roman curse tablet. *Lunch is included.*

Cost: \$95 per person

The Museum of Flight • Seattle, WA

Saturday, April 20, 2013

Begin the day with a private tour of the Charles Simonyi Space Gallery and view a variety of artifacts including a Soyuz Descent Module and NASA's Shuttle Trainer used for more than three decades to train astronauts. Next, go on a simulated space mission aboard a realistic Mission Control and Space Station.

You will be returning to the Moon for the first time since 1972. Your goal is to select a site for a permanent base. If all goes well, your team will navigate into lunar orbit, launch an exploratory probe, and analyze data gathered from the lunar surface. Following your successful lunar mission, you will use robotics to explore basic engineering skills by building an extra-terrestrial rover. Learn about the history of robotics and discuss the latest achievements of robots in space, on Earth, and in the home. *Morning refreshments and lunch are included.*

Cost: \$95 per person



International Spy Museum • Washington, D.C.

Monday, July 8, 2013

Ever wondered if you could be a spy? Now's your chance! Students and parents work together in teams to accomplish a variety of missions—some of which are so secret we can't put them in print! Kick off this day of adventure with a keynote presentation by a former spy, audience members learn the "real deal" of the shadow world of spying and the role of intelligence. Following an "interrogation" of the speaker, families compete in teams in *Operation Spy*—a fast-paced experience where all is not what it seems and intelligence gathering to uncover "the ground truth" is the name of the game. Following lunch, a secondary mission on the streets of D.C. will test families as they move through the city on a quest for intelligence to stop a terrorist plot unfolding before their eyes. Upon re-entry to headquarters, teams will be debriefed, prizes will be awarded, and...spies among us may be revealed! *Morning refreshments and lunch are included.*

Cost: \$120 per person

Johns Hopkins Center for a Livable Future: U.S. Food Systems from a Public Health Perspective • Baltimore, MD

Saturday, July 27, 2013

Join CTY at Baltimore's Cylburn Arboretum to explore the connections between food systems and public health. Begin the day with a discussion on food production and public health from the director of the Johns Hopkins Center for a Livable Future. To better understand your local food system and how it works, you will use select case studies and the food system mapping tool and database to examine the current landscape of Maryland's food system from farm to plate. Families will also get to explore an indoor aquaponics facility, and discuss if this experimental and educational project is a sustainable form of urban agriculture. This program also includes a tour of Cylburn Arboretum. *Morning refreshments and lunch are included.*

Cost: \$95 per person



Beverly Hills Chess Club • Beverly Hills, CA

Saturday, August 10 and Sunday, August 11, 2013

Please see page 7 for program description and details.

Cost: \$165 per person

Overnight and Extended Programs

NatureBridge at Santa Monica Mountains • Malibu, CA

Saturday, February 16 – Sunday, February 17, 2013

Experience the Santa Monica Mountains National Recreation Area's unique natural features and ecosystems and learn how human actions impact the world through academic and physical challenges. We will spend the first day hiking to the top of Sandstone Peak. On this trail, families will collect weather data and learn about the ancient processes that shaped the mountain range. Day two will be along the Grotto trail, a boulder-filled canyon where families will act as scientists as they take part in a creek water quality study. Professional field science educators will guide you through these fascinating investigations. *This overnight program begins around 9 a.m. on Saturday and ends around 3 p.m. on Sunday. Program includes all meals from first day's lunch to last day's lunch. Families should bring sleeping bags, mats, and pillows as you will be sleeping in dorm-style cabins.*

Cost: \$225 per person

NatureBridge: Secrets of the Tide Pool • Olympic Park, WA

Friday, April 26 – Sunday, April 28, 2013

Join CTY as we explore the miniature world of tide pools and learn about the highly adaptable creatures that live in the local salty seas. Together with educators, we uncover the rich natural wonders of Salt Creek, home to some of the most exceptional tide pools in the Northwest. Through data collection, we will determine vertical shifting and zoning of animals and discuss their habitat and ecosystem. We will also reflect on the related topics of the world's oceans to better understand processes within it, including ocean stewardship. *This overnight program begins around 6 p.m. on Friday and ends around noon on Sunday. It includes dinner on Friday; continental breakfast, lunch, and dinner on Saturday; and continental breakfast on Sunday. Families should bring sleeping bags, mats, and pillows as you will be sleeping in a cabin.*

Cost: \$425 per person

The Adventures of Lewis and Clark • Great Falls, MT

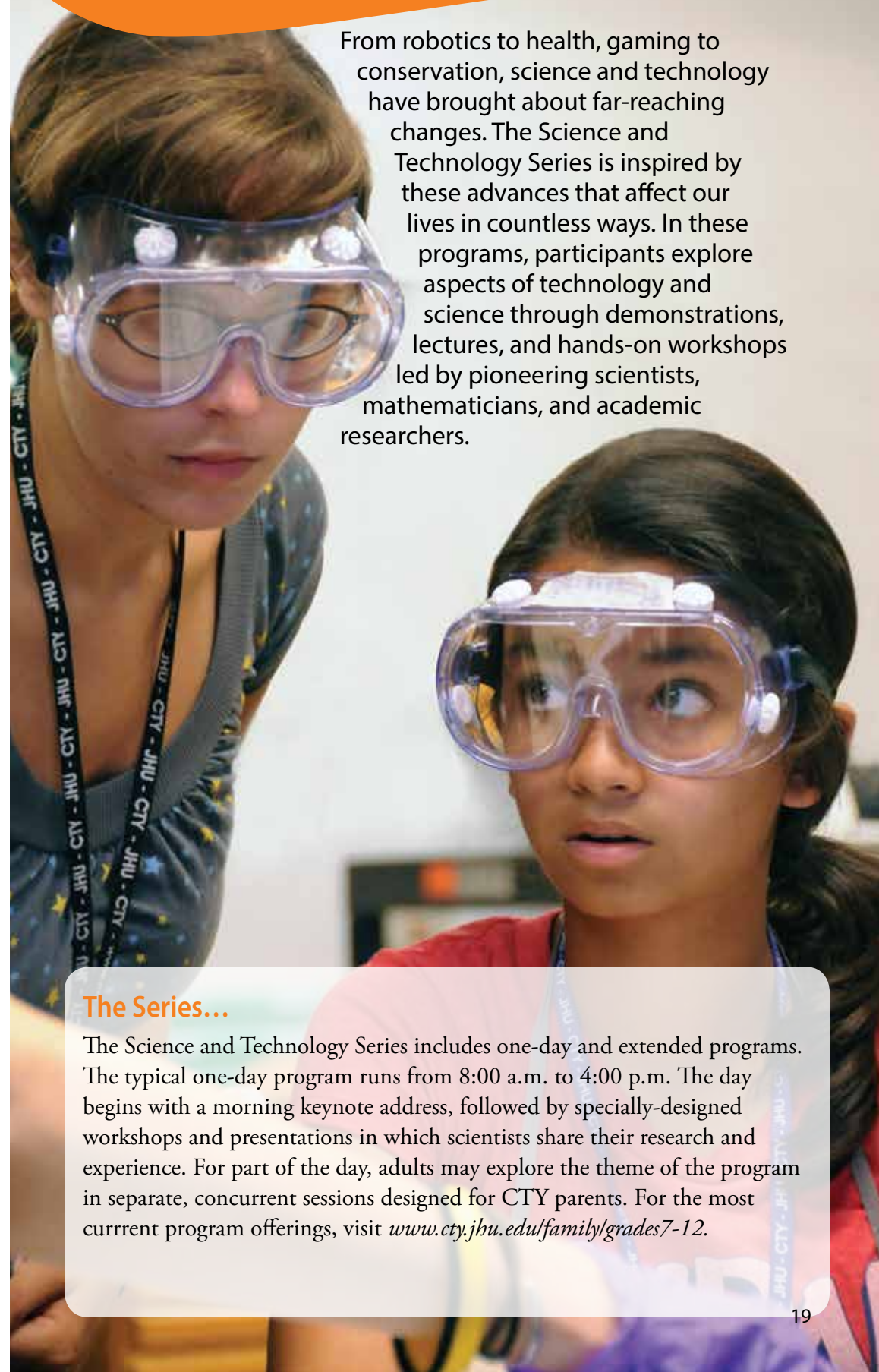
Sunday, July 14 – Wednesday, July 17, 2013

In 1804, Meriwether Lewis and William Clark led the Corps of Discovery on a journey to map the extensive western territories of the U.S. Join CTY families as we canoe, hike, and explore in the footsteps of one of America's most epic journeys. This unique trip on the Missouri River is accompanied by a guide who will bring to life the dramatic stories of the Corps of Discovery expedition. This adventure offers you the chance to confront the same obstacles, to enjoy the same triumphs, and to travel the same path that Lewis and Clark traveled. We have carefully chosen areas for you to explore that remain much the same as when Lewis and Clark first explored the west, with overnight camping at locations actually used by the Corps of Discovery. *Program includes guided canoeing, hiking, and camping with historical interpretations; camping equipment (tent, sleeping pads, camp chair, and waterproof bags); all meals from first day's lunch to last day's lunch. Sleeping bags are available for rental. Accommodations are primitive campsites.*

Cost: \$875 per person



From robotics to health, gaming to conservation, science and technology have brought about far-reaching changes. The Science and Technology Series is inspired by these advances that affect our lives in countless ways. In these programs, participants explore aspects of technology and science through demonstrations, lectures, and hands-on workshops led by pioneering scientists, mathematicians, and academic researchers.



The Series...

The Science and Technology Series includes one-day and extended programs. The typical one-day program runs from 8:00 a.m. to 4:00 p.m. The day begins with a morning keynote address, followed by specially-designed workshops and presentations in which scientists share their research and experience. For part of the day, adults may explore the theme of the program in separate, concurrent sessions designed for CTY parents. For the most current program offerings, visit www.cty.jhu.edu/family/grades7-12.

One Day Programs

New York University: Genomics, Epigenetics, and Biology • New York, NY

Saturday, March 9, 2013

Hosted by the Department of Biology, this program will uniquely focus on the department's core research strengths—epigenetics and genomics. Families will meet with scientists and participate in diverse activities ranging from data analysis to hands-on experiments employing standard cell and molecular biology techniques. Among the proposed workshop activities will be the use of computer modeling to predict protein and nucleosome structures and the use of fluorescence microscopy to visualize chromatin dynamics. Participants will tour the new Center for Genomics and Systems Biology and its state-of-the-art facilities. Join CTY families and discover cutting-edge research techniques and topics in the fields of epigenetics and genomics. *Morning refreshments and lunch are included.*

Cost: \$95 per person

Princeton University: Joseph Henry and the Science and Technology of Electromagnetism • Princeton, NJ

Saturday, March 16, 2013

One of the most important—but lesser-known—American scientists, Joseph Henry, was a physics professor at Princeton in the 1830s. His contributions to the science and application of electromagnetism earned him immortality with the 'henry', the SI unit of electrical inductance. Henry's research in electromagnetism included producing movement using a rocking-beam electromagnetic motor, and inventing the form of the electromagnetic transformer as we know it today. Applications of electricity for information networks, for power networks, and for energy conversion, all derive from this remarkable individual. During this program, we will discuss Henry's contributions and explore his early work in science and technology through several hands-on electricity and magnetism workshops. *Morning refreshments and lunch are included.*

Cost: \$95 per person



Mercer Slough Environmental Education Center • Bellevue, WA

Saturday, March 30, 2013

The Mercer Slough wetland is the largest remaining wetland on Lake Washington. Explore the Slough with naturalists by foot and canoe to hear about the issues impacting this vital habitat. Learn how to use handheld probes to collect water samples and perform chemical analysis. In the classroom, discuss pollution and perform lab work as you investigate the presence of urban contaminants. *Morning refreshments and lunch are included. This program will have two sections—one for students in grades 5–7 and another for students in grades 8–10. There will be separate age-appropriate programming offered in each section.*

Cost: \$95 per person

Harrisburg University: Got Game? Video Game Design and Production • Harrisburg, PA

Saturday, April 13, 2013

Are you interested in video games, interactive simulations, or new media? How about game design, visual arts, programming, sound design, and the games industry? If so, then you will want to join us to learn more about careers in the games industry from a panel of prominent creative and technical professionals working in the field. We will explore methods and technologies used by professional game makers throughout the world and will experience the gaming creative process—from ideation to problem-solving and delivery. *Morning refreshments and lunch are included.*

Cost: \$95 per person



Dartmouth College: Mathematics • Hanover, NH

Saturday, May 4, 2013

Mathematics is an amazing and beautiful intellectual creation. The world around us and the future world we are creating is woven with mathematics—from the symmetry of Navajo weavings, to the airflow around a flapping bird's wing, to the security of global computer networks. The Mathematics Department at Dartmouth invites you to a day of mathematical exploration. CTY Families will enjoy lectures and participate in workshops led by Dartmouth faculty and graduate students. Areas of discussion may include number theory, differential geometry, combinatorics, mathematical logic, and network theory. Families will learn about the opportunities afforded by a mathematics degree. *Morning refreshments and lunch are included.*

Cost: \$95 per person



Drexel University: Engineering in the Community • Philadelphia, PA

Saturday, May 11, 2013

This program looks at non-traditional applications of engineering that aim to fill a societal need and help an underserved or disadvantaged population. Using the National Academy of Engineering's *Grand Challenges for Engineering* as a guide, the focus areas of this program include topics such as urban infrastructure improvements, access to clean air and water, disaster relief and management of natural disasters, cyber security, and assistive technologies—all under the umbrella of humanitarian need. Participants will take part in presentations, demonstrations, and interactive workshops led by faculty, staff, and students at Drexel's College of Engineering. *Morning refreshments and lunch are included.*

Cost: \$95 per person

Overnight and Extended Programs

The Mountain Institute: Watershed Conservation on Spruce Knob Mountain • Spruce Knob, WV

Saturday, May 25 – Monday, May 27, 2013

Take part in a service learning adventure to preserve and explore the high elevation environments of Spruce Knob, which holds many unique species of flora and fauna. Spruce Knob, the highest point in the Chesapeake Bay Watershed, hosts the forests and tributaries that are the birthplace of the Potomac River and other major rivers that feed the Chesapeake Bay. Together with Mountain Institute staff, you will contribute to the conservation initiatives of the 400 acre nature preserve. During the day, we will remove invasive plant species that prevent native tree growth, plant native trees to support high quality mountain and stream corridors, and collect baseline water quality data for various conservation agencies. *Camp outside or sleep in the dormitory. This program begins around 11 a.m. on Saturday and ends around 1 p.m. on Sunday. All meals during program length are included.*

Cost: \$495 per person

Ocean Institute • Dana Point, CA

Monday, July 22 – Tuesday, July 23, 2013

This adventure begins with kayaking and hands-on activities at the Ocean Institute's newest addition, the Maddie James Sea Side Learning Center. Families will explore the anatomy of a mackerel, investigate water chemistry, and examine the adaptations of many animals – from the surface of the ocean to its deepest trenches and abyss. Evening workshops will include dissecting a cow's eye to explain how nocturnal and deep-ocean dwelling animals see, and learning about bioluminescence, hydrothermal vents, and shark adaptations. The next morning, take a scientific excursion on the Research Vessel *Sea Explorer* and a guided exploration of the local tide pools. *Lunch, dinner, snacks, and breakfast are provided. This program will have two sections—one for students in grades 5–7 and another for students in grades 8–10. There will be separate age-appropriate programming offered in each section.*

Cost: \$225 per person

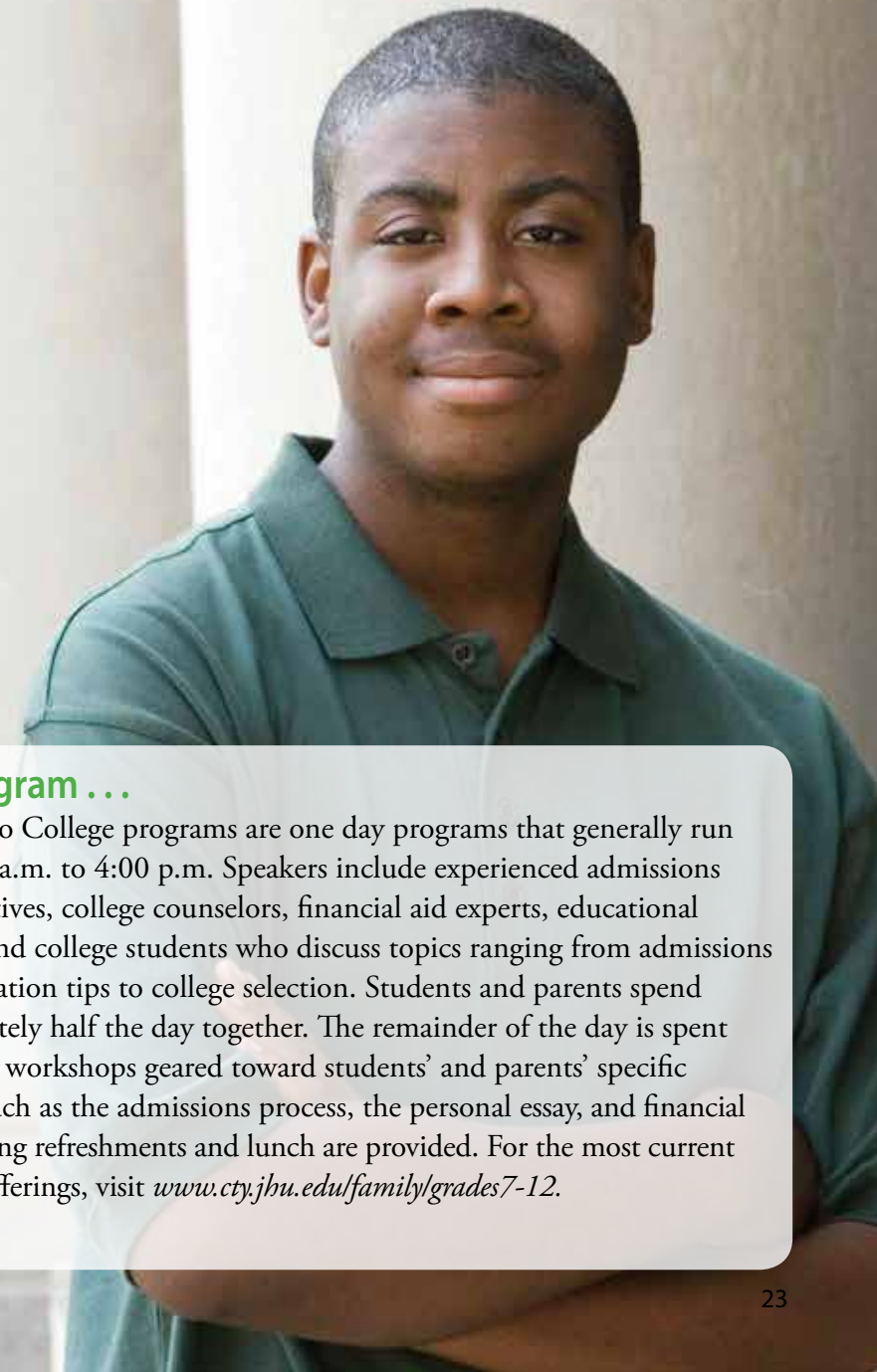
Living Classrooms Foundation • Baltimore, MD

Monday, July 29 – Friday, August 2, 2013

This program takes place aboard the historic skipjack *Sigsbee* as families delve into issues affecting the Chesapeake Bay such as the decline in blue crabs, the role of oysters, and the affects of urban and agricultural runoff. While on board, you employ scientific equipment to analyze water and marine life. You will learn from scientists, watermen, and government officials, and apply your new knowledge in real-world settings. Each day, you share responsibility of setting up and striking camp, cooking, cleaning, and maintaining the ship. While on shore, you perform lab work and investigations to explore topics such as crab anatomy and behavior; estuarine interactions; and predator-prey relationships. Evening activities may include night hikes, games, and campfires. You will leave with a better understanding of the interplay among man, economics, science, and the environment. *No previous sailing experience is necessary, but this is a course that requires a certain level of fitness. Program includes all meals for the program length. Families should bring sleeping bags, mats, and pillows as you will be sleeping in tents. Camping facilities vary, but all are primitive—a few have showers, most will not. Fresh water is available for cooking, drinking, and hygiene.*

Cost: \$675 per person

If you've got questions about college, the Pathways to College Series is one of the best ways to get answers. Pathways puts you in touch with university professionals, educational consultants, and college students in an open forum that explores the college experience. Take advantage of this great opportunity for candid insight from the people who best understand the exciting journey ahead.



The Program . . .

Pathways to College programs are one day programs that generally run from 9:00 a.m. to 4:00 p.m. Speakers include experienced admissions representatives, college counselors, financial aid experts, educational advisors, and college students who discuss topics ranging from admissions and application tips to college selection. Students and parents spend approximately half the day together. The remainder of the day is spent in separate workshops geared toward students' and parents' specific interests such as the admissions process, the personal essay, and financial aid. Morning refreshments and lunch are provided. For the most current program offerings, visit www.cty.jhu.edu/family/grades7-12.

A Pathways to College Day Includes:

Workshops on Admission, Financial Aid, Essay Writing, and the Application Process

- Choosing a college that's right for you
- Understanding the college admissions and financial aid processes
- Avoiding common application mistakes
- Identifying roles in the preparation process for students, parents, and schools
- Mapping out your college plan
- Participating in a mock admissions committee

College Student Presentation

- Searching for schools and choosing where to apply
- Managing stress and time
- Adjusting to campus and dorm life
- Utilizing resources on campus
- Getting involved on campus

Spring 2013

Bucknell University • Lewisburg, PA

Saturday, February 23, 2013

Cost: \$95 per person

University of California, Los Angeles • Los Angeles, CA

Saturday, March 9, 2013

Cost: \$95 per person

University of San Francisco • San Francisco, CA

Saturday, March 23, 2013

Cost: \$95 per person

Johns Hopkins University • Baltimore, MD

Sunday, April 21, 2013

Cost: \$95 per person

New

CTY now offers individualized educational counseling to help CTY students plan for and apply to college. CTY College Counseling assists students to: identify and understand their interests and strengths; find appropriate universities; and prepare strong college and scholarship applications. For more information, please visit cty.jhu.edu/ctycollege or email ctycollegecounseling@jhu.edu.



A special online opportunity for CTY students in grades 10 – 12

Getting ready for college? Learning about the college journey makes it less intimidating and leads to better decisions. Created exclusively for the Johns Hopkins Center for Talented Youth, this online course is designed for CTY students in grades 10–12 to guide them through the college application and admissions process.

Comprehensive. Strategic guidance covering the entire college admissions process—from choosing the right college to scheduling college visits to preparing your application, essay, and financial aid.

Flexible. Designed to meet the needs of CTY students, this 9-session course is offered online on Wednesday evenings.

Affordable. Tuition is \$750, much less than private counseling or other online programs.

Schedule. Spring 2013 program begins on Wednesday, March 13 and ends Wednesday, May 8. Two identical sections are offered. Section 1 runs 6:30–8:30 p.m. (EST) and Section 2 runs 8:30–10:30 p.m. (EST).

- Session 1: The College Search
- Session 2: Preparing to Visit
- Session 3: Creating the College Resume
- Session 4: Writing Your Personal Statement
- Session 5: How to Respond to the Short Answer Essay
- Session 6: Individual Session with Instructor
- Session 7: Application Supplements
- Session 8: Playing the Waiting Game without Standing Still
- Session 9: Need-Based Financial Aid (for students and parents)

Register. Visit www.cty.jhu.edu/family/grades7-12/collegeprep.

Family Academic Programs offers a wide range of tours to locations throughout the world. With a variety of styles and destinations, our travel programs offer a rich experience thanks to their educational nature and the companionship of other CTY families. Featured destinations include Ireland, China, and more! Whatever destination you choose, you'll experience a custom blend of cultural immersion, educational programs, expert guides, and personal attention. Take the road to discovery and see the world with CTY.

The Program . . .

Our Educational Travel Programs are designed for students in the 5th to 12th grades and their families. However, younger siblings and Talent Search Participants may be permitted to attend after a guardian or parent speaks with Family Academic Programs staff about specific program pace and content. Detailed itineraries and registration forms for each of these programs are available at www.cty.jhu.edu/family/travel. Program fees do not include travel to and from the destinations.

An Archaeological Journey of Ireland

Sunday, June 30 – Sunday, July 7, 2013

Ireland is a treasure trove for archaeology and history enthusiasts. Ancient villages, stone circles, and Neolithic tombs make Ireland an exciting and fun place to learn. During this unique tour, we will literally uncover some of Ireland's best kept secrets and reveal sites unknown to most tourists.

A team of highly respected experts will deliver an absorbing, hands-on tour, exploring Ireland's rich cultural heritage through the lens of archaeology. CTY families will experience the excitement of a real archaeological research excavation at the Blackfriary, uncovering the ruins of a 13th century Dominican Friary. We'll visit the site laboratory to see what the excavation has discovered to date and learn the process of archaeological discovery from find to conservation to museum display.

Your unique visit to Ireland will involve plenty of interactive activities, including canoeing the Boyne River past breathtaking archaeological monuments, weaving hazel to experience how early Irish peoples built houses, knapping flint, enjoying a riverside BBQ with live Irish music, baking traditional Irish brown bread, visiting an Irish farm to learn about tending animals, enjoying a traditional Irish Céili, and beating out the rhythm of the jigs and reels on a Bodhrán (Irish goatskin drum). Join CTY for this opportunity to explore Ireland's hidden cultural sites.

Program includes accommodations and most meals during the program. It does not include airfare or other transportation to and from Dublin at the start or end of the program. Note: An extended 4 days/3 nights tour option is available. Please visit www.cty.jhu.edu/family/travel for more details.

Register early for special pricing!

Register by March 1, 2013: \$3,800 per adult • \$3,500 per child under 16
Register March 2 or later: \$3,900 per adult • \$3,600 per child under 16

FACULTY ON TOUR

Dr. Susan Foster McCarter, adjunct professor in Near East Studies at Johns Hopkins University, will be providing expert commentary throughout this program. Dr. McCarter has excavated in Cyprus and Syria and has won national awards for the teaching videos she has produced. She has authored several books, including *Neolithic*.



Belugas, Bears, and Blooms

Thursday, July 25 – Tuesday, July 30, 2013

Enjoy the rare opportunity for face-to-face encounters with one of nature's most breathtaking events—the summer return of more than 3,000 beluga whales to Manitoba's Churchill River. During CTY's six-day expedition, you will have the unforgettable opportunity to observe the largest beluga whale population in the world at surface level. This program includes fascinating field presentations, local history and culture exploration, a dog-cart experience, and a Tundra buggy ride.

The adventure begins in the multicultural city of Winnipeg. During a guided tour, participants will marvel at the city's rich highlights, including stunning turn-of-the-century architecture and historical sites. Take a short flight to the remote outpost of Churchill, accessible only by air or rail. During our stay, participants travel back in time to learn about the Inuit and fur trading history. Evening cultural programs, such as bonfires, story-telling, and arts and crafts, introduce participants to native Inuit and Métis culture.

Two whale watching expeditions put you front and center to the action. Zodiac boats will provide CTY families with an amazingly close encounter with these curious and gentle belugas. Meet a local dog sledding expert, and learn about dog handling philosophy while enjoying an afternoon dog cart excursion. Become explorers for a day on an authentic Tundra Buggy, in search of caribou, arctic fox, ptarmigan, and—if we are lucky—a polar bear or two near the Hudson Bay shore. Get set for a once-in-a-lifetime Arctic summer experience that blends history, science, and culture.

Program includes accommodations, flights between Winnipeg and Churchill, and most meals during the program. It does not include airfare or other transportation to and from Winnipeg at the start or end of the program. Please visit www.cty.jhu.edu/family/travel for more details.

Register early for special offer!

Price per person: \$3,975 adults and children

Register by February 1, 2013 and receive Robert Taylor's beautiful photographic coffee table book, *The Edge of the Arctic*.



Everyday China: Through the Eyes of the People

Sunday, July 21 – Wednesday, July 31, 2013

The Johns Hopkins Center for Talented Youth is pleased to partner with The Hong Kong University of Science and Technology (HKUST) for a unique journey to explore Chinese life and culture through hands-on experiences. Designed exclusively for CTY families, this program will take you beyond the tourist-trodden paths for an extraordinarily intimate look at life in China. HKUST faculty and staff will provide insightful interpretation throughout the program as we engage people of many backgrounds through a variety of activities.

This program will compare and contrast the cultures of the cosmopolitan region of Hong Kong with those of Guangdong Province, an area along the South China Sea largely unexplored by tourists. We begin in Hong Kong with an introduction to Mandarin, a guided tour along Heritage Trail, and a visit to the Hong Kong Museum of History. In Guangdong Province, we traverse the region's twists and turns, making our way to small historical enclaves and cultural outposts. You will visit Tianhou Palace built to worship the Taoist goddess of sailors, and local manufacturing industries to better understand the dramatic economic development in China. We'll be treated to a rare visit with village elders, where we will learn about village life. Hands-on activities will explore traditional Chinese culture such as paper cutting, calligraphy, farming, and Wing Chun—a Chinese martial art emphasizing balance, structure, and relaxation.

This isn't your typical sight-seeing tour. If you want an original, unique experience, join CTY and discover the natural beauty, culture, and engaging stories of China once one gets off the beaten path.



Program includes accommodations and most meals during the program. It does not include airfare or other transportation to and from Hong Kong at the start or end of the program. Please visit www.cty.jhu.edu/family/travel for more details.

Register early for special pricing!

Register by February 1, 2013: \$4,800 per adult • \$4,600 per child under 16

Register by February 2, 2013 or later: \$4,900 per adult • \$4,700 per child under 16

Treasures of the Ecuadorian Amazon

Tuesday, July 30 – Monday, August 5, 2013

Experience the trip of a lifetime during this tropical adventure that explores one of the richest and most diverse biological areas in the world—the Amazon rain forest. Join CTY on this amazing journey, as we showcase the best of the region. Discover the extraordinary diversity of flora and fauna and the culture that has been shaped by the Amazon’s ecosystem. The journey begins in Quito, the first city named a World Heritage Site by UNESCO, where we will explore the colonial city’s architectural, historical, cultural, and culinary riches. Board a train that takes us through the stunning Andes of Ecuador, passing through evergreen landscapes, valleys, volcanoes, and towns on our way to Cotopaxi National Park—an ecological sanctuary of 89,000 acres. This spectacular excursion eventually takes us to Sacha Lodge, located within a 5,000-acre private ecological reserve in Ecuador’s Amazon region. Based in the midst of the rain forest, you will have plenty of opportunities to explore the various habitats and diversity of this unique place. Our visit to the Amazon includes plenty of hands-on activities, including bird watching, a butterfly house visit, canoeing through Amazon tributaries, guided walks through the rain forest to view the different species of animals, and learning about the medicinal plants that have been used in local culture for hundreds of years. Don’t miss out of this extraordinary opportunity to explore the world’s largest remaining tropical rainforests. *Program includes transportation and local tour guides throughout the program, accommodations, meals according to itinerary, excursions and activities as per itinerary. It does not include airfare or other transportation to Ecuador at the start or end of the program.* Please visit www.cty.jhu.edu/family/travel for more details.



Register early for special pricing!

Register by February 15, 2013: \$2,400 per person, adults and children
Register February 16, 2013 or later: \$2,600 per person, adults and children



CTY Family Academic Programs Registration Form

- 1) You may register online at <http://cty.jhu.edu/family/register/>
- 2) Mail OR fax this form with your payment to:
CTY Family Academic Programs • P.O. Box 64300, Baltimore, Maryland 21264; FAX: 866-832-8621
Please submit your registration ONLY ONCE, via fax, online, OR mail, to prevent duplicate charges.

Participant Information *(Please print)*

Name of CTY Student Attending	CTY Student ID# Required	Grade/Age
Name of Additional Student Attending		Grade/Age
Name of Additional Student Attending		Grade/Age
Name of Adult Attending	Relationship to Student(s)	
Name of Adult Attending	Relationship to Student(s)	
Street Address		City/State/Zip Code
Home Phone Number		Work Phone Number
E-mail Address		Cell Phone Number

Program (s) for which you are registering				
Program Code (see chart on next page)	Program Date	Number of Participants	Price per Person	Total Cost
Total Amount Enclosed:				

METHOD OF PAYMENT

☐ CHECKING ACCOUNT

Bank account holder's name: _____

Bank account number: _____ Bank routing number (9 digits on bottom of check): _____

I authorize payment of: \$ _____ Signature of account holder: _____

☐ MASTERCARD ☐ VISA ☐ DISCOVER

Card Account Number _____ / _____ / _____ / _____ Exp Date _____

Name of Card Holder _____

Authorized Signature _____

☐ CHECK/MONEY ORDER payable to JHU/CTY. (\$25 fee for all returned checks.)

Questions? Contact us at 410-735-6115 or ctyfam@jhu.edu

Creative Connections Series (2 – 4 graders)			
Host	Date(s)	Cost Per Person	Program Code
Asian Art Museum	Sat., 3/2/13	\$95	CRV.AAM
Beverly Hills Chess Club	Sun., 3/10/13	\$95	CRV.BHC1
National Building Museum	Sun., 4/21/13	\$95	CRV.NBM
Walters Art Museum	Sun., 4/28/13	\$95	CRV.WAL
Historic Ships in Baltimore	Sat., 5/18/13 - Sun., 5/19/13	\$165	CRV.USS
Adkins Arboretum	Sun., 5/19/13	\$95	CRV.ADR
New York Botanical Garden	Sun., 6/2/13	\$95	CRV.NBG
Ocean Institute	Sun., 7/14/13	\$120	CRV.OCI
Mount St. Helens Institute	Sat., 7/27/13 – Sun., 7/28/13	\$165	CRV.MSH
Monterey Bay Aquarium	Sun., 8/4/13	\$175/\$125	CRV.MBA
Beverly Hills Chess Club	Sat., 8/10/13 and Sun., 8/11/13	\$165	CRV.BHC2
Discovery Series One-Day Programs (5 – 7 graders)			
Host	Date(s)	Cost Per Person	Program Code
Asian Art Museum	Sat., 3/2/13	\$95	DIS.AAM
Beverly Hills Chess Club	Sun., 3/10/13	\$95	DIS.BHC1
American Visionary Art Museum	Sat., 3/23/13	\$95	DIS.AVA
Mercer Slough Environmental Ed Center	Sat., 3/30/13	\$95	DIS.MSE
Walters Art Museum	Sun., 4/28/13	\$95	DIS.WAL
Newseum	Sat., 5/4/13	\$110	DIS.NEW
National Building Museum	Sun., 5/5/13	\$95	DIS.NBM
OceanQuest	Sun., 5/5/13	\$95	DIS.OCQ
The Museum of Mathematics	Sat., 6/15/13	\$95	DIS.MOM
Jefferson Patterson Park and Museum	Sat., 6/22/13	\$95	DIS.JPP
NASA Goddard Space Center	Fri., 6/28/13	\$95	DIS.NAS
Monterey Bay Aquarium	Sun., 7/14/13	\$160	DIS.MBA
NASA Goddard Space Center	Fri., 8/9/13	\$95	DIS.NAS
Beverly Hills Chess Club	Sat., 8/10/13 and Sun., 8/11/13	\$165	DIS.BHC2
Discovery Series Overnight and Extended Programs (5 – 7 graders)			
Host	Date(s)	Cost Per Person	Program Code
Peabody Museum of Natural History	Sat., 3/23 – Sun., 3/24/13	\$165	DSW.PEA
Mote Marine Laboratory and Aquarium	Sat., 3/23 – Tues., 3/26/13	\$575	DSW.MML
International Spy Museum	Sat., 4/27 – Sun., 4/28/13	\$165	DSW.SPY
NYU School of Medicine	Sat., 5/18 – Sun., 5/19/13	\$165	DSW.STF
Frank Lloyd Wright Foundation	Sat., 5/25 – Mon., 5/27/13	\$575	DSW.TAL
NatureBridge at Santa Monica Mountains	Sat., 6/15 – Sun., 6/16/13	\$200	DSW.STM
Ocean Institute	Mon., 7/22/13 – Tues., 7/23/13	\$225	DSW.OCI
Living Classrooms Foundation	Mon., 7/29/13 – Fri., 8/2/13	\$675	DSW.LCF

Mount St. Helens Institute	Sat., 8/17 – Sun., 8/18/13	\$165	DSW.MSH
International Spy Museum	Sat., 9/7 – Sun., 9/8/13	\$165	DSW.SPY
Odyssey Series (7 -10 graders)			
Host	Date(s)	Cost Per Person	Program Code
NatureBridge at Santa Monica Mountains	Sat., 2/16/13 – Sun., 2/17/13	\$225	ODY.STM
Sheridan Libraries of Johns Hopkins University	Sat., 3/30/13	\$95	ODY.SHE
Johns Hopkins Archaeological Museum	Sat., 4/20/13	\$95	ODY.JHA
The Museum of Flight	Sat., 4/20/13	\$95	ODY.MOF
NatureBridge at Olympic Park	Fri., 4/26 – Sun., 4/28/13	\$425	ODY.OLP
International Spy Museum	Mon., 7/8/13	\$120	ODY.SPY
Lewis and Clark	Sun., 7/14 – Wed., 7/17/13	\$875	ODY.LEW
Johns Hopkins Center for a Livable Future	Sat., 7/27/13	\$95	ODY.JHC
Beverly Hills Chess Club	Sat., 8/10/13 and Sun., 8/11/13	\$165	ODY.BHC
Science and Technology Series (7 – 10 graders)			
Host	Date(s)	Cost Per Person	Program Code
New York University	Sat., 3/9/13	\$95	MAT.NYU
Princeton University	Sat., 3/16/13	\$95	MAT.PRN
Mercer Slough Environmental Ed Center	Sat., 3/30/13	\$95	MAT.MSE
Harrisburg University	Sat., 4/13/13	\$95	MAT.HBU
Dartmouth College	Sat., 5/4/13	\$95	MAT.DTH
Drexel University	Sat., 5/11/13	\$95	MAT.DRX
The Mountain Institute	Sat., 5/25/13 – Mon., 5/27/13	\$495	MAT.TMI
Ocean Institute	Mon., 7/22/13 – Tues., 7/23/13	\$225	MAT.OCI
Living Classrooms Foundation	Mon., 7/29 – Fri., 8/2/13	\$675	MAT.LCF
Pathways to College (9 – 12 graders)			
Host	Date(s)	Cost Per Person	Program Code
Bucknell University	Sat., 2/23/13	\$95	COL.BUC
University of California, Los Angeles	Sat., 3/9/13	\$95	COL.UCL
University of San Francisco	Sat., 3/23/13	\$95	COL.USF
Johns Hopkins University	Sun., 4/21/13	\$95	COL.JHU

Registration for Educational Travel Programs and Options for College

Registration forms for each of our Educational Travel Programs are accessible online at <http://cty.jhu.edu/family/travel/index.html>. Registration forms for our Options for College are available at <http://cty.jhu.edu/family/grades7-12/collegeprep.html>. Please contact our office at 410-735-6115 or ctyfam@jhu.edu if you have any questions or would like to request that a form be faxed or mailed to you. Please specify the specific program in which you are interested.

Registration Information

All CTY Talent Search participants are eligible to attend Family Academic Programs. There are no minimum qualifying scores required, so do not wait for test scores to sign up. Register now! At least one parent or guardian must register and attend with the student(s). Siblings will be admitted only if they have been registered for the event, and, only if their age is within the program grade limit. Please contact our office at 410-735-6115 or ctyfam@jhu.edu with questions regarding sibling registration. Registrations will be accepted on a first-come, first-served basis. These are popular events and locations fill up quickly. Programs are continuously being added throughout the year. Please visit www.cty.jhu.edu/family for the most up-to-date program details and site closings. Specific information pertinent to all programs, including exact times and directions to the event, will be emailed to you a few weeks prior to the program date.

There are three ways to register for Family Academic Programs*:

1. Register on-line at <http://cty.jhu.edu/family/register>
 2. Fax Registration Form to 866-832-8621
 3. Mail Registration Form to: CTY Family Academic Programs, PO Box 64300, Baltimore, MD 21264
- * Please submit your registration only once—via on-line, fax, or mail to prevent duplicate charges.

Payment Information

CTY accepts MasterCard, Visa, Discover and checks or money orders made payable to JHU/CTY. Payments submitted will be processed upon receipt. However, your family's reservation is secured only when you receive your written confirmation. In the event that the program is filled, you will be issued a complete credit and placed on a waiting list.

Please note that all past due balances (for any CTY program) must be paid prior to registration for a Family Academic Program. All payments will be applied to past due balances first.

Financial Aid

Eligibility for CTY's limited Financial Aid is determined by factors such as parent income, available discretionary resources, family size and any special circumstances. *Due to limited funding financial aid can only be awarded to students who are registered for Creative Connections, Discovery, Odyssey, Science and Technology and Pathways to College series.* More information can be found online at <http://cty.jhu.edu/financial/apply/index.html>

Cancellation Policies

For cancellations made 30 days or more prior to the event, registrants will be charged a processing fee of \$25 per family for all one-day events; \$50 per family for overnight programs; and \$250 per family for extended programs. From 29 to 15 days prior, registrants will be charged one-half of the total amount paid. There will be no credit for any cancellations received less than 15 days before the event. Please note, separate cancellation policies apply for our Educational Travel Programs (see below) and CTY College Prep.

Educational Travel Programs

Please note that these are general terms and conditions for our travel programs. Please visit <http://cty.jhu.edu/family/travel> for specific and detailed policies, terms, and conditions for CTY Educational Travel Programs.

Who May Attend

Our Educational Travel Programs are designed for CTY students in grades 5 – 12 and their parents/guardians. Siblings, other relatives, and friends may attend if they are registered and parents are comfortable about their ability to join activities. At least one parent or legal guardian must register and participate in program activities. All travelers should be in good health before registering and comfortable with a rigorous schedule of walking, climbing stairs, and/or hiking. Enrollment is limited and CTY families will be accepted in the order deposits are received.

Deposits

A \$500 per person non-refundable deposit is needed to reserve a space. The deposit can be paid by check, money order, Visa, MasterCard, or Discover.

Payments

Families will be invoiced upon making a reservation. Full payment is due 120 days prior to the first land day of the trip. Additional payment information will be included with invoices. If final payment is not received in full by 120 days prior to departure, CTY and the tour operators reserve the right to treat the reservation as cancelled and to charge families for any cancellation fees.

Cancellation and Refunds

Notification of cancellation must be made in writing to CTY and the respective tour operator. At the time we receive the cancellation, all monies paid will be refunded less the following cancellation charges, deducted from the total package price:

- 121 plus days before departure: full refund less \$500 deposit
- 120-46 days before departure: 50% of the package price
- 45-30 days before departure: 65% of the package price
- 29 days before departure: 100% of the package price

Please note that no partial refunds will be given for unused meals, hotel rooms, airport transfers, etc., for any reason whatsoever. Our tour operators reserve the right to increase the tour price in the event of cost increases due to changes such as air fares, currency fluctuations, park fee increases, or fuel surcharges. Operators also reserve the right to alter tours without notice. CTY and tour operators are not responsible for expenses incurred by trip members in preparing for the trip (e.g., passports, equipment, etc.) or for any necessary additional travel arrangements should you arrive at a destination before the group arrival date.

Insurance

We strongly recommend the purchase of trip cancellation insurance, which is available for coverage of expenses in conjunction with cancellation due to illness or accident. Baggage insurance is also recommended. In the event you must cancel your participation in the travel program, trip cancellation insurance may be the only source of reimbursement.

Liability

Our tour operators and their agents act only as agents of the passengers in all matters relating to hotel and lodge accommodation, tours, transport, etc., and shall not be liable for injury, delays, loss, or damage in any manner. The operators' liability to passengers carried in its own vehicles is governed by the laws of the country in which the tour takes place and no other country. All claims are subject to the jurisdiction of the courts of the country in which the action arises. The operator reserves the right to employ subcontractors, for all or part of the services. Operators reserve the right to decline to accept or retain any person as a member of any tour. By utilizing the services of our operators, CTY families agree that neither the operators nor any of their representatives shall be liable for any accident, injury, property damage, or personal loss to CTY participants traveling in connection with any accommodations, transportation, or other travel services, or resulting directly or indirectly from any occurrences or conditions beyond the operators' control, including, but not limited to, acts of terrorism, war, strikes, theft, or delay or cancellation of or changes in itinerary or schedules. Medical services or facilities may not be readily available or accessible during all or part of CTY's Educational Travel Programs. Families are responsible for selecting a trip appropriate to their abilities and interests. They are responsible for ensuring that all participants are in sufficient good health to undertake a program and are prepared for the trip by studying the itinerary and pre-departure materials sent by CTY and the tour operators.

Responsibility

Johns Hopkins University/CTY (JHU/CTY) is not responsible for changes of flight times, fare change, dishonor of airline, hotel or car rental reservations, delays, losses, injuries, inconveniences, cessation of operators, airline or tour operator bankruptcies, acts of God, or any other events beyond our control. JHU/CTY is not acting as agent for the participants with respect to travel services, and shall not be responsible for changes of flight times, fare changes, dishonor of airline, hotels or other reservations, injury, damage, loss of baggage, accidents, or for the acts or defaults of any person or entity engaged in conveying participants or in carrying out other arrangements of a travel program. Further, JHU/CTY shall not be responsible for losses or additional expenses of the participants due to sickness, weather, strike, civil unrest, quarantine, acts of terrorism, acts of God, or other cause beyond its control. JHU/CTY shall not be responsible for alteration of a program itinerary as deemed necessary for carrying out the program and the right is reserved to substitute itinerary as deemed necessary for carrying out the program. The right is further reserved to cancel any program prior to departure in which case the entire payment may be refunded without further obligation on its part. The right is further reserved to decline to accept or to retain any person as a member of the program should such person's health, actions, or general deportment impede the operation of the program or the rights or welfare of the other participants. No refunds will be made for the unused portions of the program. With exception of any deposit paid to CTY, tour operators are solely responsible for any refunds due participants resulting from cancellation of tour. Applicants for participation in this program accept in full all of the conditions set forth above.



JOHNS HOPKINS
U N I V E R S I T Y

CENTER FOR TALENTED YOUTH

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