SPRING/SUMMER 2019

SATURDAY CLASSES
(March Through June)

WEEKDAY SUMMER CLASSES

Interactive, hands-on classes and workshops designed to help teens explore their passions and interests and discover new ones as they prepare for college and beyond.

For more information and pricing, or to register, visit ce.hofstra.edu/satpc or call 516-463-7400.
Make the Most of Your Spring Break

with Hofstra University Continuing Education!

Monday-Friday, April 22-26, 2019
9 a.m.-4 p.m.
Gain knowledge and skills, make new friends from throughout Long Island, and get a taste of college life!

• Fiction Writing for Teens
  (Grades 6-12)

• Pokémon Tech Fusion
  (Grades 2-5)

• Roblox and Minecraft Adventure Week
  (Grades 4-12)

• Game Design/3D Printing Fusion
  (Grades 6-12)

• Travel Camps
  (Grades 2-9)

• Digital Arts
  (Grades 7-12)

Four-Day Program
April 23-26 • 9 a.m.-4 p.m.
Sportscasting 101 for Teens
(Grades 6-11)

For information, visit ce.hofstra.edu/springbreak or call 516-463-2267.
**HOFSTRA UNIVERSITY**

**CONTINUING EDUCATION**

**SPRING/SUMMER PROGRAMS 2019**

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The Hofstra Precollegiate Career Discovery Institute is designed for teens and taught by Hofstra professors and working professionals. These interactive, hands-on classes and workshops help teens explore their passions and interests and discover new ones as they prepare for college and beyond.

SATURDAY CLASSES (March Through June) and WEEKDAY SUMMER CLASSES

For more information and pricing, or to register, visit ce.hofstra.edu/satpc or call 516-463-7400.
The Hofstra Precollegiate Career Discovery Institute is designed for teens and taught by Hofstra professors and working professionals. These interactive, hands-on classes and workshops help teens explore their passions and interests and discover new ones as they prepare for college and beyond.

SATURDAY CLASSES (MARCH THROUGH JUNE)

**ART**

**GRAPHIC DESIGN**
Instructor: Professor Evangeline Christodoulou
Grades 9-12

This class draws from many aspects of art and design, including advertising, product design, and visual marketing, as well as other genres that a professional graphic designer might encounter. Students use Adobe Photoshop and Adobe InDesign to develop their personal style. We explore digital and nondigital formats and techniques and create computer-based solutions to graphic art problems.

**PHOTOSHOP BASICS**
Instructor: Professor Evangeline Christodoulou
Grades 9-12

This class teaches the fundamentals of Adobe Photoshop with easy-to-follow, practical examples. Topics include creating new documents, organizing files, creating and using layers, using filters, adding typography to a composition, creating shapes, and applying effects. Students will leave this class with a greater understanding of Photoshop and the inspiration to create.

**COLLEGE PREPARATION**

**LEARNING HOW TO LEARN: HARNESS YOUR POTENTIAL**
Instructor: Karen Kolb • Grades 9-12

We can learn how to master any subject, regardless of difficulty, by mastering how our brain works. In a relaxed, fun, and interactive atmosphere, students learn the powerful, research-backed learning, neuroplasticity, and mindset techniques used by experts in all disciplines. We must understand our thinking to harness our potential.

For more information and pricing, or to register, visit ce.hofstra.edu/satpc or call 516-463-7400.
SATURDAY CLASSES

INFORMATION TECHNOLOGY

CYBERSECURITY – BECOMING A WHITE HAT HACKER
Instructor: Jay Mir • Grades 7-12
Hackers are in high demand. As our digital footprint grows, companies need to stay on top of their security. An ethical hacker, or white hat hacker, is someone paid by businesses to find bugs in security systems by trying to hack into them. A career in pen-testing or red-teaming can be extremely lucrative. Being a white hat hacker involves a great deal of problem solving, as well as communication skills, a balance of intelligence and common sense, strong technical and organizational skills, impeccable judgment, and the ability to remain calm under pressure. During this workshop, we will learn how to use our programming skills to help create a more secure web as a cybersecurity expert.

ARTIFICIAL INTELLIGENCE
Instructor: Jay Mir • Grades 7-12
Artificial intelligence (AI) is the next big innovation to change our lives forever. Inventor and futurist Ray Kurzweil says, “Many thousands of AI applications are deeply embedded in the infrastructure of every industry.” The primary goals of AI include deduction and reasoning, knowledge representation, planning, natural language processing (NLP), learning, perception, and the ability to manipulate and move objects. Long-term goals of AI research include achieving creativity, social intelligence, and general (human-level) intelligence. Few technological inventions in human history have evolved as quickly as artificial intelligence. This is thanks to its human-like ability to constantly learn and improve itself – autonomously. As a class, we can build a sports talent scout app, a preventive care website, or a chatbot, or use our mobile camera to recognize objects. Together we will discover how to program using techniques for deep learning and artificial intelligence.

THE CODER CHALLENGE
Instructor: Jay Mir • Grades 7-12
Most of us learned the basics of coding using Python. Now it’s time to put our knowledge and skills to the test. During this three-session course, we will review the basics to bring us all up to speed. Then we will work in teams as well as individually to figure out solutions to challenges using the programming knowledge we possess. On the last day, we will compete to see who can beat all the challenges. Coders of all skill levels are welcome; students will have a blast while building their confidence!
ON THE LAST DAY, WE WILL COMPETE TO SEE WHO CAN BEAT ALL THE CHALLENGES. CODERS OF ALL SKILL LEVELS INDIVIDUALLY TO FIGURE OUT SOLUTIONS TO CHALLENGES USING THE PROGRAMMING KNOWLEDGE WE POSSESS. COURSE, WE WILL REVIEW THE BASICS TO BRING US ALL UP TO SPEED. THEN WE WILL WORK IN TEAMS AS WELL AS PUT OUR KNOWLEDGE AND SKILLS TO THE TEST. DURING THIS THREE-SESSION WORKSHOP, WE WILL LEARN HOW TO USE OUR PROGRAMMING SKILLS TO HELP CREATE A MORE SECURE WEB.  

**ARTIFICIAL INTELLIGENCE**

This workshop introduces the concepts of artificial intelligence (AI), including its definition, history, and applications in various fields such as cybersecurity. Students will learn how AI is used in real-world scenarios and how to apply it to solve problems. This workshop is designed for students with an interest in technology and programming, especially those who are considering careers in fields related to AI and cybersecurity.

**INTRO TO METEOROLOGY: THE SCIENCE BEHIND YOUR WEATHER APP**

Instructor: Dr. Jase Bernhardt · Grades 9-12

Weather enthusiasts and amateur meteorologists are encouraged to spend a morning at Hofstra University learning about weather observation and forecasting. We tour the campus network of three weather stations to better understand how meteorological data is collected and analyzed. Using data from those stations, students learn how to define climate and its changes over time. Students also create their very own weather forecasts using weather station data and information from computer models. After taking this crash course, students are sure to have an increased understanding of the current weather conditions and forecasts that they regularly view on smartphone applications and other media platforms, as well as insight into the science behind climate change.

**UNDERSTANDING AND WRITING GRAPHIC NOVELS**

Instructor: Glenn Greenberg · Grades 9-12

Students learn the process for creating comic books and graphic novels: coming up with an idea, outlining a story, writing a script, refining it, and working with an artist. Students are called upon to develop and write a complete or partial script for a short comic book story or a full-length graphic novel.

**HOW TO CREATE A MAGICAL WORLD**

Instructor: Melissa Kuch · Grades 9-12

From Harry Potter to Percy Jackson, magic in literature is something readers are drawn to. But how do you start writing your own fantasy novel? The instructor speaks with students about her magical young adult novel series, The Hypothesis of Giants, and how she incorporated magic into her writing. This workshop is interactive, and students have the opportunity to write their own magical story.

**CREATIVE WRITING: EXPLORING EACH GENRE**

Instructor: Maria Cerniello · Grades 9-12

This course gives students experience writing in poetry, nonfiction, fiction, and playwriting. Students sample each genre and discover for themselves where their passion lies! Students learn how to write in each genre through reading published works, as well as through various writing exercises and assignments.

**FICTION WORKSHOP: BUILDING SUSPENSE**

Instructor: Dina Santorelli · Grades 9-12

What makes a story a “page turner”? In this workshop, students learn the art of suspense – how to craft a strong hook, create tension, incorporate twists and revelations, and improve pacing, structure, and characterization in their fiction writing. Grammar and overall writing skills are also addressed. Students will read aloud and share their work and learn the value of constructive criticism. Although not required, students are encouraged to bring one story idea to class that they’d like to develop.
Attention Teens:
Make the Most of Your Summer!

Can’t decide what to do on your summer break? Consider Hofstra Continuing Education’s exciting and distinctive Precollegiate Career Discovery Institute programs. Make the most of your summer as you gain knowledge and skills, explore possible career choices, make new friends from throughout Long Island, and get a taste of college life! Participants who satisfy the program requirements receive a certificate of completion.

Unless otherwise indicated, all programs take place from 9 a.m. to 4 p.m. Discounts are available for some precollegiate courses.

NOTE: There are no classes on July 4.

All classes marked with an asterisk (*) take place at Nassau BOCES locations.

For more information or to register, visit ce.hofstra.edu/precollege, call 516-463-5373, or email ce-precollegiate@hofstra.edu.

OPEN HOUSE: Thursday, May 9, 2019 • 6-8 p.m.
Nassau BOCES Joseph M. Barry Technical Center • 1196 Prospect Avenue, Westbury

ARTS

GRAPHIC DESIGN*
July 1-12
Grades 6-11 as of September 2019.
Transportation and lunch are included in program tuition.
The Graphic Design program is an introduction to the career paths of a graphic designer. Students learn about printing processes, principles of design, color theory, typography, and logo design. They discover career options available in the graphics and advertising industries while having fun creating their own projects. Students are introduced to Apple computers and Adobe Creative Cloud design programs.

DIGITAL PHOTOGRAPHY WORKSHOP
July 22-26
Grades 6-11 as of September 2019. • 9:30 a.m.-3:30 p.m.
Lunch is included in program tuition.
No matter what their skill level in photography, this five-day workshop helps students get to the next level. Students learn about history, subject matter, composition, lighting, camera functions, lens selection, Photoshop, printing, and presentation. The beautiful Hofstra campus inspires students to find their photographic eye.
Note: Students must bring a digital camera to each class.
OPEN HOUSE:
Nassau BOCES Joseph M. Barry Technical Center • 1196 Prospect Avenue, Westbury
Campus inspires students to find their photographic eye.
Functions, lens selection, Photoshop, printing, and presentation. The beautiful Hofstra
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Transportation and lunch are included in program tuition.
Grades 6-11 as of September 2019.
July 1-12

GRAPHIC DESIGN*
ARTS

CONSTRUCTION TRADES ACADEMY: INTRODUCTION*
July 1-12
Grades 7-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students learn the basics of the carpentry, tiling, plumbing, and electrical trades, including how to use basic
tools in each of these areas. For the carpentry aspect of the program, students work together to build,
deliver, and install needed structures for the Double D Bar Ranch, a nonprofit organization dedicated to
helping abused or unwanted farm animals. Students also complete personal projects to take home that
showcase their new talents and incorporate skills they have learned. This is the perfect program for students
who want to work with their hands and test out the trades while providing a service to the community.

CONSTRUCTION TRADES ACADEMY: PROJECT-BASED*
July 1-12 and July 15-26
Grades 7-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students learn skills necessary for residential carpentry, including rough and fine work. These skills allow
students to perform basic home repairs either to save money or to make money. Interior carpentry work
combines hand-eye coordination, reading comprehension, and math skills. Students use the skills they have
learned to construct a folding portable table and an Adirondack chair.

INTRODUCTION TO FINANCE AND INVESTMENT
FOR TEENS
July 2 and 3
Grades 8-12 as of September 2019.
Lunch is included in program tuition.
This program introduces teens to the world of finance, including basic financial concepts and analytical
techniques. The course also discusses how the stock market functions in our economy and how a business’s
financial goals can maximize shareholder wealth. To gain an understanding of financial markets and learn
how to interpret accounting statements and understand investment theory and strategy, students manage
their own portfolio of stocks using a stock market simulation game.

BUILDING AN EMPIRE: THE TEEN ENTREPRENEUR
STARTUP ACADEMY
July 22-26
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
Through our cutting-edge curriculum, students are mentored on how to successfully start a business from
the ground up. To create a comprehensive business plan, students learn how to perform both industry and
competitive analyses; generate a name, brand, customer profile, and marketing plan for their businesses;
and learn about finances. Students tour local businesses and speak with company executives. On the final
afternoon of the program, the new “teen entrepreneurs” present their business ideas to a panel of Hofstra
instructors and industry professionals.
COLLEGE PREPARATION

COLLEGE ADMISSIONS ROADMAP
July 29-August 2 Grades 7-12 as of September 2019.
Lunch is included in program tuition.
It’s never too early or too late to prepare for college! Throughout this weeklong program, students learn all the steps involved in the admissions process and when to tackle each of them: what admissions officers look for and how to stand out from the crowd; how important essays really are; what to write; and how to answer supplemental questions. Students also learn how to design their résumé for maximum impact, which activities to include in their application, which classes to take in high school, which standardized tests you really need, what the application(s) looks like, what to expect after they apply, and how to learn and study to succeed — all the way through graduate school! Each student leaves with finished work, as well as a working timetable and roadmap.

COMPUTER HARDWARE

INTRODUCTION TO COMPUTER HARDWARE AND ESSENTIALS*
July 1-12 Grades 6-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students learn the basics of computer components, repair, upgrade, maintenance, operating systems, and virus protection. Students also learn about information technology (IT) career paths and how computers are an essential tool in our daily lives. This course is a combination of hands-on and lecture-based activities, including the exploration of popular word processing applications.

CRIMINAL JUSTICE AND LAW

CRIMINAL JUSTICE ACADEMY: INTRODUCTION
July 22-26 Grades 6-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students discover how to process a crime scene and learn proper procedures, including fingerprinting, handcuffing, and accident reporting using the latest technology.
PRECOLLEGIATE LAW INSTITUTE
August 5-9
Grades 6-12 as of September 2019 • 9:30 a.m.-3:30 p.m.
Lunch and field trips are included in program tuition.
This exciting weeklong course exposes young adults to some of the careers available in the field of law. Students work as prosecutors or members of a defense team on a criminal mock trial. The course teaches and reinforces writing, organizational, presentation, and collaboration skills. In addition, presentations are given by guest speakers, including a former assistant district attorney and a retired police arson detective. The week concludes with students participating in a “behind-the-scenes” morning tour of the Nassau County Supreme and County Courthouses, as well as learning about jury selection and how the courtrooms are designed. Students see firsthand the variety of positions required to staff the New York State Unified Court System. After lunch, students present their criminal mock trial, which is presided over by a retired justice of the Supreme Court. The mock trial is videotaped, and an edited copy is mailed to each participant.

CULINARY ARTS
CULINARY ARTS ACADEMY:
INTRODUCTION*
July 1-12 and July 15-26
Grades 7-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students explore culinary cuisine from around the world while learning proper cooking techniques, including safety, knife skills, and food preparation. They also practice chocolatiering and pastry arts with a professional pastry chef.

CULINARY ARTS ACADEMY:
INTERMEDIATE*
July 1-12 and July 15-26
Grades 7-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students expand on the fundamentals of cooking, learn skills and cooking techniques, and explore both regional and international dishes. Students learn to make Italian, Mexican, Chinese, German, and American cuisine. Prerequisite: Culinary Arts Academy: Introduction

CULINARY ARTS ACADEMY:
ADVANCED*
July 15-26
Grades 7-11 as of September 2019.
Transportation and lunch are included in program tuition.
This is an advanced class for students who have completed the Culinary Arts Academy: Introduction and Intermediate programs. Students learn a variety of skills, including methods for mixing and accurate measuring, baking science, and artisan bread baking; how to make yeast dough, breakfast pastries, and more; and how to prepare various fillings and icings. Prerequisites: Culinary Arts Academy: Introduction and Culinary Arts Academy: Intermediate
**SPORTS JOURNALISM**

**PREPARING AND CONDUCTING SPORTS-RELATED INTERVIEWS**

July 2

Grades 7-12 as of September 2019.

*Lunch is included in program tuition.*

It takes organization and preparation to conduct a great interview. In this workshop, students learn how to formulate good questions – and follow-up questions – and how to organize their interview notes. Using memorization techniques, students gain the confidence to be flexible during the interview.

**SPORTSCASTING RESEARCH AND PREP**

July 8

Grades 7-12 as of September 2019.

*Lunch is included in program tuition.*

During this workshop, students engage in searching sports websites (college and professional) for information as they craft information sheets and build charts for sports broadcasts. They also learn how to conduct professional phone interviews and how to obtain additional information on players, teams, and programs.

**SPORTS WRITING, BLOGGING, AND SOCIAL MEDIA**

July 9 and 10

Grades 7-12 as of September 2019.

*Lunch is included in program tuition.*

In this workshop, students learn how to write national and local radio updates, organize stories, use reliable websites, write on deadline, compose a script for a television sportscast, compose words to fit with video, and utilize shot sheets during a highlight-driven show. Students experiment with blogging as they learn to blog effectively and creatively. The workshop also discusses both the effectiveness and potential pitfalls of Twitter, Facebook, Instagram, Periscope, and other social media tools.

**TELEVISION SPORTS REPORTING**

July 11 and 12

Grades 7-12 as of September 2019.

*Lunch is included in program tuition.*

Being a sports reporter may just be the most difficult on-air television job. Asking the right questions in order to elicit the answers viewers are looking for takes skill and practice. Most sports reporters get only a minimal amount of TV air time … so they want to make it memorable. We discuss the different career opportunities as a television sports reporter, including as a sideline reporter or network sports reporter.
INTRODUCTION TO SPORTSCASTING FOR TEENS
July 15-19
Grades 7-12 as of September 2019.
*Lunch is included in program tuition.*
Taught by professional sportscasters with decades of experience in New York television and radio broadcasting, this interesting and fun course teaches students the fundamentals of sportscasting, including interviewing, writing, announcing, commentary, and professional presence. In this course, students receive hands-on experience and in-depth critiques of their work in the classroom and in the field, as they hone their skills in TV and radio play-by-play, anchoring, and reporting. Upon completion of the course, students receive an honest evaluation of their potential, recommendations for next steps, and a demo reel of their on-camera work.

VOCAL COACHING FOR TEENS
July 22
Grades 7-12 as of September 2019.
*Lunch is included in program tuition.*
Students have the opportunity to fine-tune their on-air voice as they develop their broadcast personality. The class focuses on inflection, projection, clarity, and emphasis, all while working to deliver a message in a convincing, powerful, and clear way. Understanding that becoming a sportscaster is far more than just being knowledgeable about the game is the first step in becoming a true professional.

HOSTING PREGAME AND POSTGAME SHOWS FOR RADIO AND TELEVISION
July 23 and 24
Grades 7-12 as of September 2019.
*Lunch is included in program tuition.*
In this seminar, students learn all the ins and outs of pregame and postgame shows, for both radio and television. The importance of preparing for their show begins with research about the teams that will be playing and knowing all the details about the players and coaches, as well as having knowledge about recent and past history. Often, pregame and postgame shows are driven by one specific team. Students need to learn how to be an authority on “their team” while also sounding like an expert on the “road team.” To successfully host a postgame show, students must learn how to interact with a winning or losing coach, recap the game, throw to a soundbite, and more. This class helps students develop the skills and techniques necessary to one day make that dream come true.

INTRODUCTION TO SPORTS JOURNALISM FOR YOUNG WOMEN
July 25 and 26
Grades 7-12 as of September 2019.
*Lunch is included in program tuition.*
This program is taught by seasoned journalist, host, and broadcaster Amanda Pugliese. Students learn the fundamentals of sports journalism and broadcasting such as research and preparation, writing, basic interview techniques, game and show preparation, and on-camera presentation. Students work with the instructor and our staff to hone their reporting skills for both TV and radio. Upon completion of the course, students receive an honest evaluation of their potential and recommendations for next steps, and they leave with a demo reel of their on-camera and on-radio work.
WEEKDAY SUMMERS

SPORTS RADIO HOSTING
July 25 and 26
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
In this course, students learn how to create a rundown for a talk radio show, research topics, determine the theme of a show, work with a co-host, and interact with callers. In the final class, they have the opportunity to take their newfound knowledge into a radio studio and record a mini-show.

INTERMEDIATE SPORTSCASTING FOR TEENS
July 29-August 2
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
In this course, students take the next step and learn more advanced techniques, such as “backpack journalism” – where they report, shoot, edit, and appear on camera in their own field report. They learn professional research techniques and how to develop their own unique writing style and “voice,” produce in-depth stories about sports controversies and current events, and create moving human interest features about sports heroes. They also learn about the different roles involved in staffing a sports broadcast, and what career options are available. Guest speakers and field trips add to the experience, and students leave the course with a demo reel of their work.

SPORTS TELEVISION HOSTING AND ANCHORING
August 5 and 6
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
In this hands-on seminar, students learn how to read from a teleprompter; how to be comfortable doing a live interview, whether in-studio or via satellite; and how to look into a camera and have a conversation with viewers – and how to make it seem natural. Students learn all this and more by writing copy, reading it on-camera, interviewing guests, and having it all recorded in a professional television studio. Students leave with a complete video for their demo reel.
SUMMER CLASSES

SPORTS PRODUCING AND EDITING
August 7-9
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
Students learn what goes on behind the scenes and have the chance to do it themselves. Students learn how to produce their own sports television segment and television show, edit highlights, produce and edit a radio package, and much more! This course also prepares them for many possible off-air roles. Students leave with a complete video for their demo reel.

SPORTS FANTASY PREPARATION, DRAFTING, AND DEBATING
August 12
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
One of the fastest growing ways to learn about sports is through fantasy leagues. Through fantasy leagues, students learn ALL the players, their stats, and why those players can help teams win. They are educated on a business model of having a salary cap and how to disperse “fake” money and build a roster. Students learn fantasy sports lingo, draft strategies, team management, and much more.

National fantasy football expert Keith Irizarry teaches this course.
You can watch Keith on Sundays during the NFL season on That Other Pregame Show on CBS Sports Network.

SPORTS PLAY-BY-PLAY FOR TELEVISION AND RADIO
August 13-15
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
This program teaches students the methods of play-by-play for both television and radio for many different sports. They learn the fundamentals and record play-by-play segments for baseball, basketball, football, hockey, lacrosse, soccer, and more!

SPORTS ROUNDTABLE HOSTING
August 16
Grades 7-12 as of September 2019.
Lunch is included in program tuition.
In this seminar, students learn how to host a roundtable discussion as well as participate on a panel of experts. It is important to be open-minded while having debates, but also to be strong in our convictions, and learning to ask the right questions is a necessary first step. This seminar is designed for students who are ready to hop in the chair and lead a group of sports reporters.

Want to earn a certificate in sports journalism?
To learn more, visit ce.hofstra.edu/sportscasting or call Michael Chisena at 516-463-5909.
STEM/STEAM
(Science, Technology, Engineering, Arts, and Math)

MECHANICAL AND AUTOMOTIVE INSTITUTE: INTRODUCTION*
July 1-12
Grades 6-11 as of September 2019.
Transportation and lunch are included in program tuition.
Students gain an understanding of how a car engine works. Using Nassau BOCES’ state-of-the-art automotive facilities, students learn the safe and proper use of equipment and maintenance techniques, including tire repair, brake maintenance, and how to check and change automotive fluids. By the end of the program, students walk away with a functional model of an engine that they build themselves.

MECHANICAL AND AUTOMOTIVE INSTITUTE: INTERMEDIATE*
July 15-26
Grades 6-11 as of September 2019.
Transportation and lunch are included in program tuition.
With the technological advancements of today’s automobiles, even routine maintenance procedures require analytical thinking, dexterity, and patience. In this fast-paced course, students are introduced to state-of-the-art diagnostics, machining, and hydraulic test equipment. The course begins with tool and equipment safety, automotive fundamentals, and an introduction to hybrid cars. Other topics include brake system theory, accessory drive belt systems, and an overview of the eight A.S.E. vehicle subsystems. Upon completion of this course, students will have had a look into the real-world work experience of an automotive technician.

MARINE EXPLORER
July 8-12
Grades 6-11 as of September 2019.
Location: Caumsett Environmental Education Center
Transportation and lunch are included in program tuition.
Each day will find us “submerged” in activities designed to expand students’ understanding of Long Island’s marine ecosystem. Our “home base” is Caumsett State Historic Park Preserve, a wonderful site with a 95-acre salt marsh and over 2 miles of coastline along the north shore of Long Island. We spend the week collecting and identifying marine organisms and using sampling equipment to understand how they adapt to changes in their environment. It is a perfect high-tide week to explore the estuary by canoe, too!

MARINE EXPLORATION TECHNOLOGY:
DESIGN IT! BUILD IT! DRIVE IT!
August 12-16
Grades 6-11 as of September 2019.
Location: Hofstra University
Transportation and lunch are included in program tuition.
As a team, students design and build an underwater remotely operated vehicle (ROV), test their design in Hofstra’s pool, and master a series of challenges for the final day’s competition. Students also participate in an antique “helmet dive”!
EARTHQUAKES AND STRUCTURES
August 12-16
Grades 6-11 as of September 2019.
Transportation and lunch are included in program tuition.
People who design buildings to resist strong seismic shaking are called structural engineers, and their designs are rooted in basic principles of earthquake engineering and structural dynamics. Participants in this exciting program learn the fundamentals of both of these topics in a fun, hands-on environment. Students spend a half day exploring topics such as seismology, free and forced vibrations of structures, seismic ground motions, seismic-resistant structures, seismic shake-table testing, and much more. The afternoon consists of fun indoor and outdoor activities, such as movies, karaoke, ice cream sundaes, and scavenger hunts.

OUTDOOR ADVENTURE CHALLENGE
August 12-16
Grades 6-11 as of September 2019.
Location: Brookville and Caumsett Environmental Education Centers
Transportation and lunch are included in program tuition.
In this high energy, action-packed program, students develop teambuilding and outdoor skills while they:
• Navigate our low ropes course while practicing problem-solving and leadership skills.
• Traverse our high elements ropes course: whether it is the Giant Swing Shot, Flying Squirrel, Catwalk, or High Multi-Vine (to name a few!), students use new skills to support each other and step outside their comfort zone in their rise to the top!
• Learn about survival, building shelters, making fire with a bow and drill, finding their way with map and compass, and geocaching with GPS.
• Learn canoeing skills.

DISCOVER WILD LONG ISLAND
July 15-19
Grades 6-11 as of September 2019.
Location: Caumsett Environmental Education Center
Transportation and lunch are included in program tuition.
Students discover the unique habitats of Caumsett State Historic Park Preserve. We will explore the pond, a north shore beach and salt marsh, fields and forests, and even an estuary by canoe! Students learn map reading skills, and how to use a compass and GPS to aide in their explorations.

HIKING LONG ISLAND
July 22-26
Grades 6-11 as of September 2019.
Location: BOCES Caumsett and Brookville Environmental Education Centers, and other Long Island locations
Transportation and lunch are included in program tuition.
Each day of this five-day adventure will find us exploring a different Long Island site. We start the week with a grand tour of the five habitats at Caumsett State Historic Park Preserve. The rest of the week will find us at special places like Shu Swamp, Garvies Point, Brookville Environmental Education Center, Tackapausha Museum and Preserve, Oceanside Marine Nature Study Area, and Norman J. Levy Park and Preserve.
COASTAL EXPLORATIONS  
July 29-August 9  
Grades 6-11 as of September 2019.  
Location: Caumsett Environmental Education Center  
Transportation and lunch are included in program tuition.  
Students explore diverse marine habitats and engage in daily observations, and data and specimen collection to gain new insights on how the marine world works. Activities include canoeing, surfcasting, seining, salt marsh hike, plankton and horseshoe crab studies, and snorkeling. NEW for this year will be an excursion to the Sunken Forest on Fire Island.

VETERINARY SKILLS  
CAREERS IN ANIMAL CARE: EXOTIC ANIMALS*  
July 1-12  
Grades 7-11 as of September 2019.  
Transportation and lunch are included in program tuition.  
In this program, students learn about exotic animals – their habitat, diet, disease prevention, handling, and much more! We also explore and learn about the environment that affects animals and humans alike. The program includes various speakers, and exciting and enriching field trips.

CAREERS IN ANIMAL CARE: DOMESTIC ANIMALS*  
July 1-12 and July 15-26  
Grades 7-11 as of September 2019.  
Transportation and lunch are included in program tuition.  
Students with a love for companion animals explore many exciting career paths, develop practical handling skills, and increase their knowledge of animal husbandry, basic grooming, diseases, animal welfare, and behavior. Typical instructional activities include hands-on experiences with cats, dogs, and pocket pets. Various speakers and a field trip enrich this two-week experience.

CAREERS IN ANIMAL CARE – INTRODUCTION TO LARGE ANIMALS*  
July 1-12 and July 15-26  
Grades 7-11 as of September 2019.  
Transportation and lunch are included in program tuition.  
In this course, students learn the basics of large animal husbandry, including but not limited to horses, sheep, goats, and pigs. Students demonstrate practical knowledge and skills with horses during a field trip to an off-site equestrian center. Students also participate in a farm field trip to ensure an overall large animal interactive learning environment. Included in the program are in-house recreational projects and crafts to supplement and enhance students’ learning environment.
SUMMER CLASSES

WRITING  All writing courses take place from 9:30 a.m. to 3:30 p.m.

BECOME A BETTER WRITER IN FIVE DAYS!
July 8-12  Grades 7-9 as of September 2019.
August 5-9  Grades 10-12 as of September 2019.
Lunch is included in program tuition.
This program helps students earn higher grades in writing classes, prepare for the PSAT/SAT/ACT exams. Students learn how to write an impressive college essay and share their stories by learning to write more descriptively and convincingly. Former students have improved their verbal SAT scores by as much as 300 points.

DIGITAL JOURNALISM FOR TEENS
July 15-19  Grades 9-12 as of September 2019.
Lunch is included in program tuition.
Students have fun as they improve their communication and writing skills by creating digital media for their own online magazine or portfolio. They learn how to compile research and interview sources to produce a variety of journalism pieces, including profiles and reviews. They also produce videos and other materials in a state-of-the-art computer lab. Portfolios/magazines are created on free online platforms so students can continue to add to them throughout high school and beyond.

SUMMER NOVEL WRITING RETREAT
July 15-19  Grades 8-12 as of September 2019.
Lunch is included in program tuition.
This hands-on workshop offers students the opportunity to work on that novel they’ve always wanted to write. Guided by a published author, students learn how to improve their structure, characterization, pacing, grammar, dramatic tension, and voice. Students also gain confidence in their writing and storytelling abilities as they read their pages aloud and exchange well-meaning critiques with fellow writers.

SUMMER CREATIVE WRITING RETREAT
July 29-August 2  Grades 8-12 as of September 2019.
Lunch is included in program tuition.
This program is designed for students who dream in screenplays, have stories they yearn to share with the world, or have poems appear in their head unbidden. Students explore different genres — poetry, narrative fiction, memoir, screenplays, and graphic novels — and transform their ideas into major works.
Hofstra University Continuing Education and Nassau BOCES’ LIHSA partnership offers a wide range of programs designed to motivate young minds and propel career aspirations in the arts. Programs are available for students entering grades 6-12.

This exciting partnership offers a wide selection of amazing learning opportunities for teens, featuring hands-on classes that provide real-life and situational training that can jump-start a successful career.

**Note:** All courses take place at the Long Island High School for the Arts in Syosset.

The program runs from 9 a.m. to 3 p.m., with early drop-off available at 8 a.m. and late pickup until 4 p.m. Transportation and lunch are *not included* in the program tuition.

For more information regarding programs and registration, please call Jessica Dease at **516-463-5373** or email [ce-precollegiate@hofstra.edu](mailto:ce-precollegiate@hofstra.edu).

**OPEN HOUSE:** Saturday, April 13, 2019 • 11 a.m.–2 p.m.
Long Island High School for the Arts • 239 Cold Spring Road, Syosset
FILM

FILMMAKING 101
July 15-26 • Grades 6-8
Through shooting and editing, students learn to transform their vision while experiencing the entire artistic and collaborative process of movie making.

MUSIC

SINGER-SONGWRITER INTENSIVE
July 1-5 • Grades 9-12
Students create new songs, explore a variety of songwriting styles, collaborate with other talented musicians, and have several performance opportunities.

LIHSA SINGS!
July 8-12 • Grades 6-8
Students engage in a singing experience in a relaxed and supportive environment.

HIGH SCHOOL ROCK BAND
July 15-26 • Grades 9-12
Students work with other musicians and learn how to select material, arrange, rehearse, and perform on stage. Students can bring their own instruments, or use the instruments available on-site.

MUSIC AT LIHSA
July 22-26 • Grades 6-8
Students are involved in various music ensembles, electronic music making, and composition.
MUSICAL THEATER PRODUCTION
July 1-26 • Grades 6-12
Students work with a professional team to rehearse and perform a full-scale musical theater production.

SCENIC DESIGN AND SPECIAL EFFECTS
July 1-12 • Grades 6-8
July 15-22 • Grades 9-12
Students gain hands-on experience in all aspects of production, while learning about a variety of careers in entertainment design. Selected topics may include special effects makeup, prop making, set building, lighting, and sound design.

THE MUSICAL THEATER AUDITION
July 15-26 • Grades 11-12
This one-week intensive is designed to assist students with preparing college auditions. Students prepare and perform audition monologues and a plethora of songs in a variety of styles. This program also covers information about careers in the theater world.
PAINTING INTENSIVE
July 1-5 • Grades 9-12
In this highly focused class, students initially paint en plein air (outside from observation) from scenes surrounding the building (or nearby locations). One or more class trips may include a trip to NYC or more pastoral Long Island locations.

FIGURE DRAWING
July 8-12 • Grades 9-12
This studio course introduces the basic structure and general anatomy of the human figure. Using large format paper, students learn to render human proportion: balance and form as it relates to the human figure drawn from a live life-drawing model as well as clothed models. Students draw directly from the figure (the human body) using gesture, contour, modeling, and color.

VISUAL ARTS FOR MIDDLE SCHOOL
July 15-26 • Grades 6-8
In the two-week visual arts program, students learn fundamental art skills and develop their artistic expression and style utilizing a variety of mediums.

PREPARING A PORTFOLIO FOR COLLEGE
July 15-19 • Grades 11-12
For students considering higher education in the visual arts, this one-week portfolio course provides an opportunity to construct and refine a visual body of work.