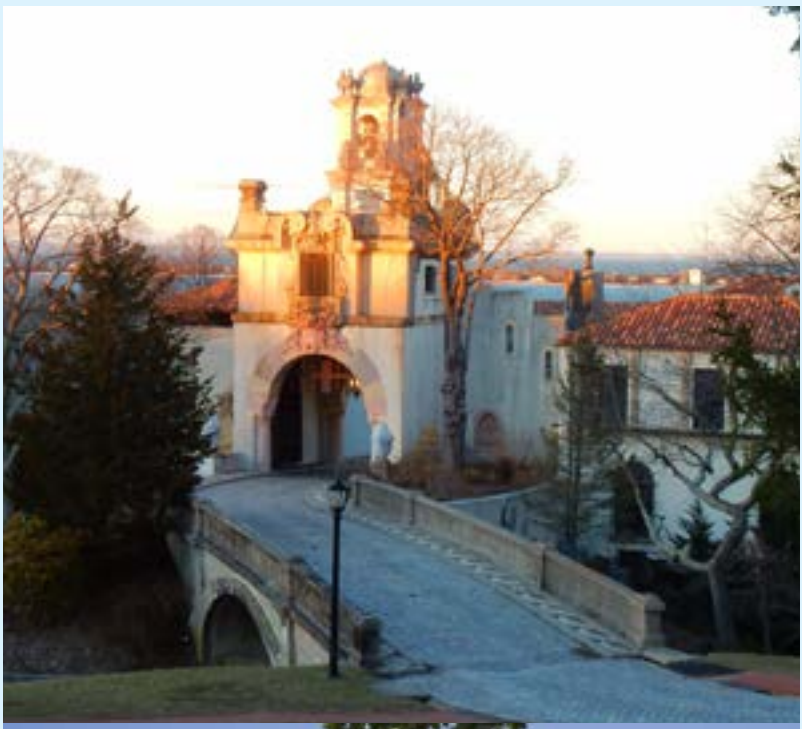
2017-2018

EDUCATION PROGRAMS

SUFFOLK COUNTY VANDERBILT

Mansion | Museum | Planetarium



Top: Vanderbilt Mansion.
Bottom: The Vanderbilt Planetarium.

THE VANDERBILT MUSEUM EDUCATION DEPARTMENT

The Suffolk County Vanderbilt Museum and Planetarium provides quality programming that supports New York State's Next Generation English Language Arts and Mathematics Learning Standards for middle and high school students in Biology, Earth Science, Physical Science, Physics, Astronomy, Math, Chemistry, Ancient Cultures, Art and Architecture, and Long Island History.

Each program includes a customized, live-lecture component tailored to the specific student group and lesson plan. Vanderbilt educators are able to adapt all programs for students with special needs. This approach engages each child in active learning that is designed to reinforce and supplement the teacher's classroom curriculum. Museum and Planetarium educators are an excellent resource for teachers to consult as they prepare their lessons for the programs included in this brochure.

The Vanderbilt Museum, as William K. Vanderbilt II envisioned, is dedicated to the education and enjoyment of the people of Long Island and beyond.

Programs beyond those listed may be available by special arrangement.

Children gather at the Vanderbilt Museum to take in the views of the estate.

PLANETARIUM SCHOOL PROGRAMS

TO SPACE AND BACK*NEW Grades 4 - 12 | Narrated by Derrick Pitts

To Space and Back explores the way each of us has been changed by the discoveries made by the international space program. From the devices we use every day, to the tools that are breaking new ground in medicine and engineering, we can thank space exploration for making our modern lives possible.

A "cool" laser developed to study the Earth's atmosphere from space is now being used by surgeons to safely vaporize the blockage in arteries allowing blood to flow freely again. Our cell phones and their apps all rely on satellite communications, which are a vital product of space technology. These are some of the examples of space exploration having a significant impact on our lives. They help us to discover a universe of unimaginable scale and beauty, and at the same time reach down into our world and influencing the way we live. This recorded program runs about 25 minutes, preceded by a 15-minute live star talk.

EXPLORING THE SOLAR SYSTEM Grades 5 - 8

Take a tour of the Solar System and beyond by flying first-class aboard the Vanderbilt Planetarium's Konica Minolta Star Projector, with full-dome video and surround-sound. To prepare for the journey, educators introduce geocentric and heliocentric models of the Solar System, plus the formation of the Solar System and the origin of the Earth's star, the Sun. Students blast off into space to examine the unique characteristics of the Sun, the planets and their moons.

Educators introduce comets, asteroids, the Oort Cloud and the Kuiper Belt of deep-space objects. Using up-to-date information from the Hubble Space Telescope, various space probes and the Mars Rovers, educators examine the latest information about these objects in the Solar System.

DYNAMIC EARTH: EXPLORING EARTH'S CLIMATE ENGINE Grades 6 - 12 | Narrated by Liam Neeson

Dynamic Earth explores concepts and terms essential to understanding climate: the relationship of Earth and the Sun; life and the carbon cycle; plate tectonics and its role in the carbon cycle; comparison with Venus; and perspective on climate change. *This recorded program runs 25 minutes, followed by a 20-minute live start talk.*

STARS Grades 5 - 12 | Narrated by Mark Hamill

Every star has a story. Some are as old as time, faint and almost forgotten. Others burn bright and end their lives in powerful explosions. New stars are created every day, born of vast clouds of gas and dust. Through every phase of their existence, stars release the energy that powers the Universe. Journey to the farthest reaches of the galaxy and experience both the awesome beauty and destructive power of Stars. *This recorded programs run about 26 minutes, preceded by a 15-minute live star talk.*

SEASON OF LIGHT Family audiences | December only

This program is an elegant, sophisticated, non-denominational presentation for the winter holiday season, and includes some astronomy. Season of Light looks at Northern winter constellations, explains why there are seasons, and explores the possible astronomical explanations for a "star over Bethlehem." *This recorded program runs 35 minutes, preceded by a 15-minute live star talk.*

LET'S LOOK UP! Pre-K & Kindergarten

Join us as "Stormy the Cat" and "Rocket the Dog" introduce young students to the wonders of the sky. Let's Look Up! shows children some of the objects they can see in the daytime and nighttime skies. After a beautiful sunrise, Stormy the Cat explains the concepts of the Earth rotating and orbiting around the Sun. From "Oscar the Sun," students learn about the Sun through a song that explains its importance to Earth.

Students experience a mild rainstorm, see a rainbow, and learn what causes these phenomena. After sunset, Rocket begins a nighttime talk about the stars, constellations and the Moon. The students, with Stormy and Rocket, blast off into space on an imaginary journey through the Solar System to visit the planets.

SPACE ADVENTURE ON THE MOON Grades 1 - 2

What is the Harvest Moon? When do we see the Wolf Moon? Why does the size of the Moon vary? Find out in this introduction to the night sky. it begins with the Sun, our closest star. Why does it "rise" in the East and "set" in the West? Educators discuss the Sun's properties and how it affects weather through the Water Cycle. Students experience a thunderstorm as it passes through the Planetarium.

After sunset, students view the night sky and discuss visible planets and constellations. This discussion also explores the Moon's origin and changing phases as it orbits Earth. Included: the origins of each Moon phase name; a trip to the Moon to explore lunar surface features; and images of astronauts from Apollo lunar missions as they perform experiments on gravity, and explore the Moon's surface.

TAKE A WILD RIDE THROUGH THE SOLAR SYSTEM Grades 1 - 3

How do stars and planets differ? Is the Sun a star? How do moons differ from planets? This program answers these questions. it shows the night sky, compares stars and planets, and notes their characteristics. At sunrise, students observe morning twilight, and educators discuss how light bends and scatters through the atmosphere. Students learn to use ROYGBIV as a tool to explain the phenomena.

Take a Wild Ride shows the Earth rotating as it orbits the Sun. Educators explain the Sun's characteristics and effects on the Earth through weather and the Water Cycle. After a brief thunderstorm, students observe how light pollution affects the night sky, then take a star trip through the Solar System and visit to each planet to experience their unique properties.

EARTH, MOON & SUN Grades 3 - 4 | 45 minute program

This fast-paced and fun pre-recorded Planetarium show explores lunar phases, and lunar and solar eclipses. Also covered are the characteristics of the Earth, Moon, and Sun – including craters formed by asteroid and meteor impacts, Maria (seas), mountains and NASA's historic lunar landings.

This program includes a live star talk that explores the reasons for the seasons and covers the constellations and planets.

THE VITAL TRIANGLE Grades 4 - 6

How does the Moon affect Earth? What causes an eclipse? Why are there seasons? To answer these questions, this program focuses on relationships among the Sun, Earth and Moon. This program investigates the Moon's origin. Included: observation and discussion of the Moon's changing phases in its orbit around the Earth. Also: how the Sun emits light, heat and energy. Students experience the Sun's energy in the form of weather and a passing thunderstorm. Students see the effect of the Sun and Moon on the planet Earth. Other topics: reasons for the seasons, tides, eclipses, rotation and revolution. The program ends with a star trip through the Solar System.

MUSEUM PROGRAMS IN HISTORY AND SCIENCE

SCIENCE SAFARI Grades Pre-K - 4 | One Hour

Join us on safari! Discover the diversity of nature represented in the collections of the Memorial Wing and Stoll Wing wildlife dioramas. This program includes a hands-on examination of preserved mammal, reptile and bird specimens.

SEA SEARCH Grades Pre-K - 5 | One Hour

Come and explore William Vanderbilt's marine collection and discover the wonder of the planet's oceans. This program includes a hands-on examination of preserved invertebrate, fish and mammal specimens.

SHARKS Grades 1 - 5 | One Hour

Visit the Marine Museum and wildlife dioramas and discover the fascinating variety of sharks in the world's oceans. Students will examine preserved shark specimens and create shark-tooth necklaces.

THE GOLD COAST Grades 4 - 8 | One Hour

Open a door to Long Island history with a visit to William Vanderbilt's summer estate, Eagle's Nest. Tour the Spanish Revival mansion and discover Vanderbilt's passion for automobile racing, yachting and collecting, and learn about the culture of Long Island during the country-house era of the early twentieth century.

THE WORLD OF MR. VANDERBILT Grades 2 - 5 | One Hour

Explore William Vanderbilt's collections of natural-history specimens and cultural artifacts, and appreciate the beauty of the estate's architecture and landscape in every season. This program includes tours of the Marine Museum, Memorial Wing galleries, wildlife dioramas, courtyards, and gardens.

ANIMAL HABITATS

Grades 1 - 4 | Two Hours

Tour the Memorial and Stoll Wings, come face-to-face with animals in naturalistic settings and discover the diversity of life from the rainforests and to the Sudan grasslands. This program includes a hands-on examination of preserved specimens and concludes with the creation of individual dioramas.

BUTTERFLIES AND MOTHS Grades 2 - 4 | Two Hours

William Vanderbilt's global collection of butterflies and moths offers an up-close encounter with some of the planet's most magnificent creatures. Students will enjoy using costumes to illustrate the characteristics of insects. This program includes a hunt for specimens and a creative project.

EGYPTIAN MUMMIES Grades 5 - 8 | Two Hours

In 1931, William Vanderbilt traveled around the world on his ocean-going yacht, Alva. In Cairo, Egypt, he purchased a mummy and sarcophagus for his museum. Students will examine CT scans and X-rays that reveal information about the life and death of this ancient person. This program includes a slide presentation and a creative project.

HAWAII AND THE ISLANDS OF THE SOUTH PACIFIC

Grades 2 - 5 | Two Hours

Aloha! Discover the unique cultures and natural world of the islands of the South Pacific through William Vanderbilt's collections. Tours of the Memorial Wing galleries include a hunt for cultural artifacts and invertebrate specimens. The program concludes with a creative project of replica outrigger canoes.

IDENTIFY, CLASSIFY, DRAW

Grades 4 - 8 | Two Hours

In 1926, 1928 and 1931, William Vanderbilt explored the world's oceans in search of marine specimens for his museum. Scientists and artists were employed to identify and illustrate his finds. Visit the Hall of Fishes and Invertebrate Gallery and discover the diversity among the global collections of marine animals, and explore taxonomy. Students examine preserved specimens and create individual watercolor illustrations of preserved specimens.

IF WALLS COULD TALK: THE ARCHITECTURE OF A GOLD COAST MANSION

Grades 4 - 8 | Two Hours

Visit Eagle's Nest and discover the eclectic personality of William Vanderbilt's summer residence. Tour the Mansion, visit the Memorial Wing galleries, and search for architectural elements in the courtyard. This program concludes with students creating replica castle doors.

MARINE HABITATS Grades 3 - 6 | Two Hours

Visit the marine collections of William Vanderbilt and explore the vertical distribution of life found in the open ocean. This program includes an examination of preserved invertebrate, fish and mammal specimens and a creative project.

NETHERLANDS TO NEW YORK Grades 4 - 8 | Two Hours

Come visit the summer residence and collections of William K. Vanderbilt II, and discover how the Vanderbilt family contributed to the development of New York State.

THE WORLD OF MR. VANDERBILT Grades 6 - 8 | One Hour

Explore William Vanderbilt's collections of natural-history specimens and cultural artifacts, and appreciate the beauty of the estate's architecture and landscape in every season. This program includes tours of the Marine Museum, Memorial Wing galleries, wildlife dioramas, courtyards, and gardens.

SCIENTIFIC ILLUSTRATION Grades 7 - 12 | Two hours

Between 1920 and 1935, William K. Vanderbilt II commanded voyages of marine discovery throughout the world. William Belanske, an artist and curator, aided in scientific investigation, and recorded specimens to be included in Vanderbilt's published journals. Scientists from the American Museum of Natural History provided the scientific classification for the collection, and various illustrators contributed articulate renderings of marine invertebrates for the accompanying catalogs. Students tour the Marine Museum, explore the structure of preserved fish and marine invertebrates, and learn about the methods of preservation used in the collections. Each student will complete an individual illustration in watercolor.

See a mummy of a young women who is thousands of years old.

Vanderbilt Museum educators work with children to examine sea specimens similar to the those W.K. Vanderbilt collected years ago.

A student examines and learns fun facts about a wide variety of habitats and animals in the newly renovated Stoll Wing.

Artist William Belanske drew or painted many of Mr. Vanderbilt's marine specimens and his work can be seen throughout the Estate.

Interactive kiosks and self-guided tours using QR code technology add a new level of exploration and discovery for students.

SUFFOLK COUNTY

VANDERBILT

Mansion | Museum | Planetarium

Please visit www.vanderbiltmuseum.org for further information on each program.

PLANNING YOUR TRIP

School visits are by appointment only.
Please Call the Reservations Office at
631-854-5539 to schedule a visit.

FEES

One-hour museum program $8
Two-hour museum program $12
Planetarium Shows $8
One-hour museum program and planetarium show $13
Two-hour museum program and planetarium show $16

One complimentary ticket will be issued for every 25 paid admissions that are booked on the same day of the school trip. There is a $1 discount per person for booking trips that will take place during September, January, and February.

TIMETABLE

One-hour museum programs begin at
10:00AM, 11:15 AM, & 12:45 PM

Two-hour museum programs begin at
10:00 AM & 12:15 PM

Planetarium shows begin at
10:00 AM, 11:15 AM, & 12:45 PM

CONTRACT

Once a reservation is made, a contract will be sent with program descriptions and directions. Please review the information, sign, and return a copy within 30 days with the deposit or your reservation will be cancelled.

PAYMENT

In order to secure the reservation, a $75 deposit is due within 30 days of booking your trip. The balance is required 30 days prior to your visit. The deposit will be refunded if the trip is cancelled 90 days prior to the trip date. Program fees can be paid by check or major credit card. Purchase orders referencing the trip date, reservation number or program name, and number of participants should be mailed or faxed directly to 631-854-5530. Any reservations added to the trip that are not included in the original purchase order must be paid for in advance.

CANCELLATIONS

Deposits cannot be refunded for trips cancelled within 90 days of the trip date. Groups will be charged for all students reserved on the contract. The Museum must be notified of any changes in attendance numbers at least 30 days prior your trip. We may not be able to accommodate additions, and cannot issue refunds for absences.

ARRIVAL TIME

Please arrive 15 minutes before the start of your scheduled program. Programs begin promptly and we cannot accommodate late-comers.

LUNCH

Students should bring a bag lunch. Picnic tables are available in the upper parking lot. The Museum does not have indoor lunch facilities.

ACCESSIBILITY

The Mansion and Museum are partially accessible. However, we will make reasonable accommodations for individuals and groups. Please inform the Reservations Office in advance.

ATTIRE

There is considerable walking between buildings, and programs are held rain or shine. Sneakers and flat walking shoes are recommended.

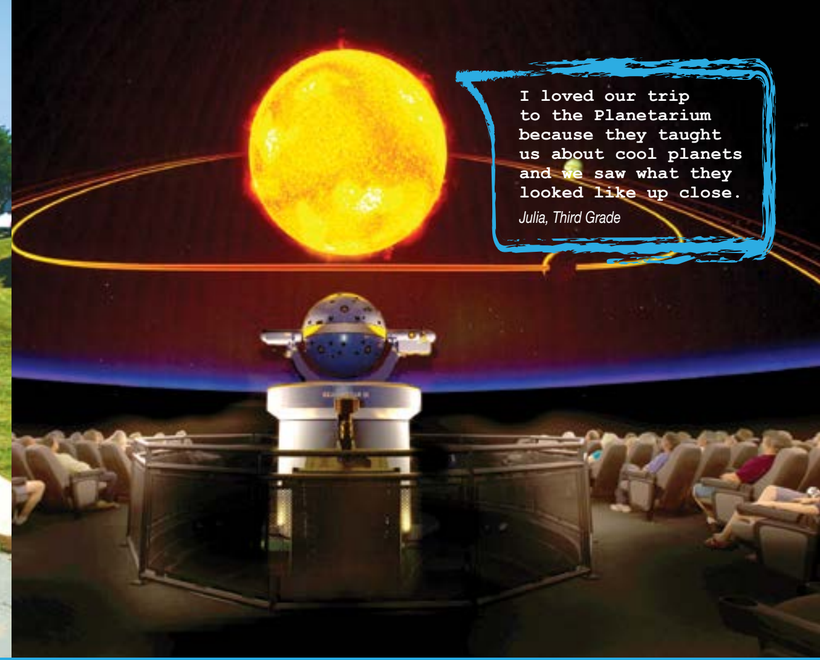
WEATHER-RELATED MUSEUM CLOSINGS

The Museum will be closed when the Harborfields School District is closed due to inclement weather.

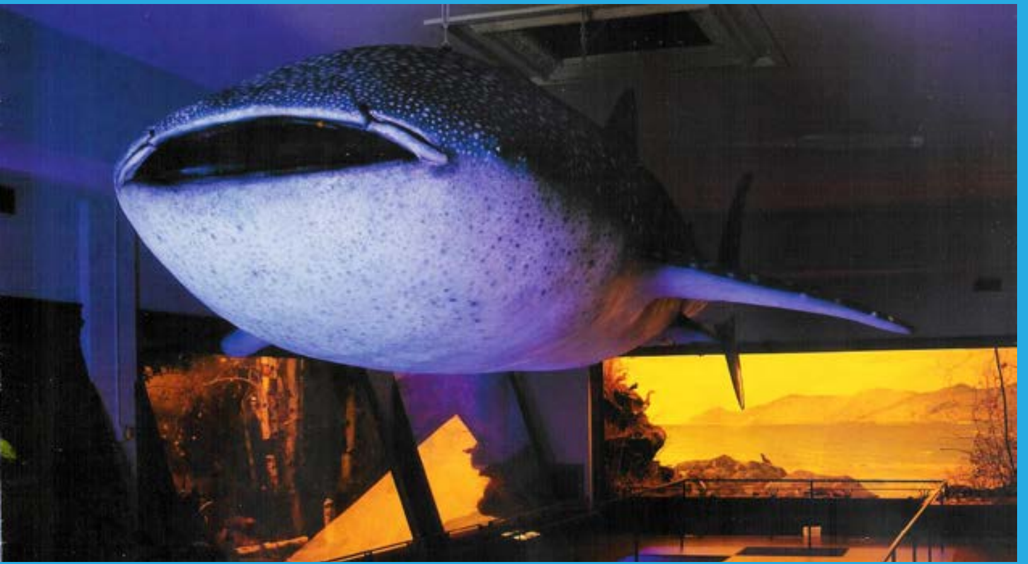
In the event of a delayed opening in Harborfields, please call 631-854-5539 or 631-854-5579 to see if we are open.


THE VANDERBILT MUSEUM
IS THE MISSING PIECE TO
YOUR CURRICULUM

In creative workshops, students create renderings after being inspired by natural history specimens.



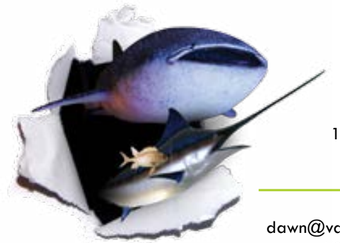
Learning about the Solar System in the Vanderbilt Reichert Planetarium.



The Vanderbilt Whale Shark

WHAT MAKES THE VANDERBILT UNIQUE

- Largest planetarium on Long Island
- Significant natural history collections
- 18 wild-animal habitat dioramas
- World's largest taxidermied fish: 32-foot Whale Shark
- Largest assemblage of privately-collected, pre-atomic-era marine specimens
- Historic mansion is a time capsule of the Great Gatsby era



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DISCOVER THE VANDERBILT