



Conceptual view of the 20th and 21st Century Gallery

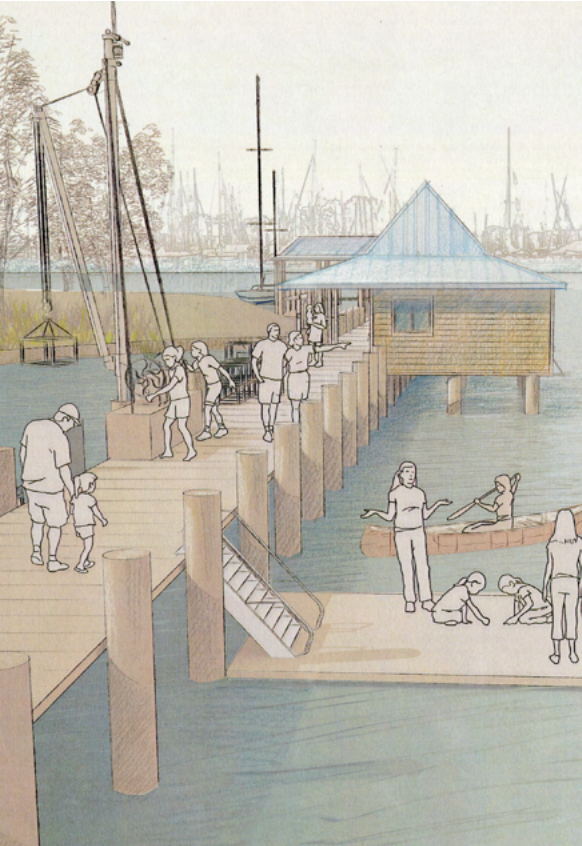


America's Islamic Heritage Museum

Anacostia • Washington, DC • 2022

PLANNING • DESIGN • PROJECT MANAGEMENT

Quatrefoil designed AIHM's Master Plan in 2022, and is currently designing its new museum in Anacostia, an historic neighborhood in Washington DC. The America's Islamic Heritage Museum will be a high-tech, state-of-the-art interactive museum that will educate visitors and build bridges of understanding of America's diversity by sharing the rich history and contributions of Muslim Americans. The exhibitions will guide the visitor from the early legends and travelers, through the personalities of the diaspora of the African slave trade and the Civil rights era, to Muslim immigration, Muslims of American culture, contemporary America, and in service of America.



A new dock offers opportunities for educational programming on the environment and maritime history.

Annapolis Maritime Village

Ellen O. Moyer Nature Park at Back Creek
Master Plan • Annapolis, MD • 2018

EXHIBIT DESIGN • MASTER PLANNING

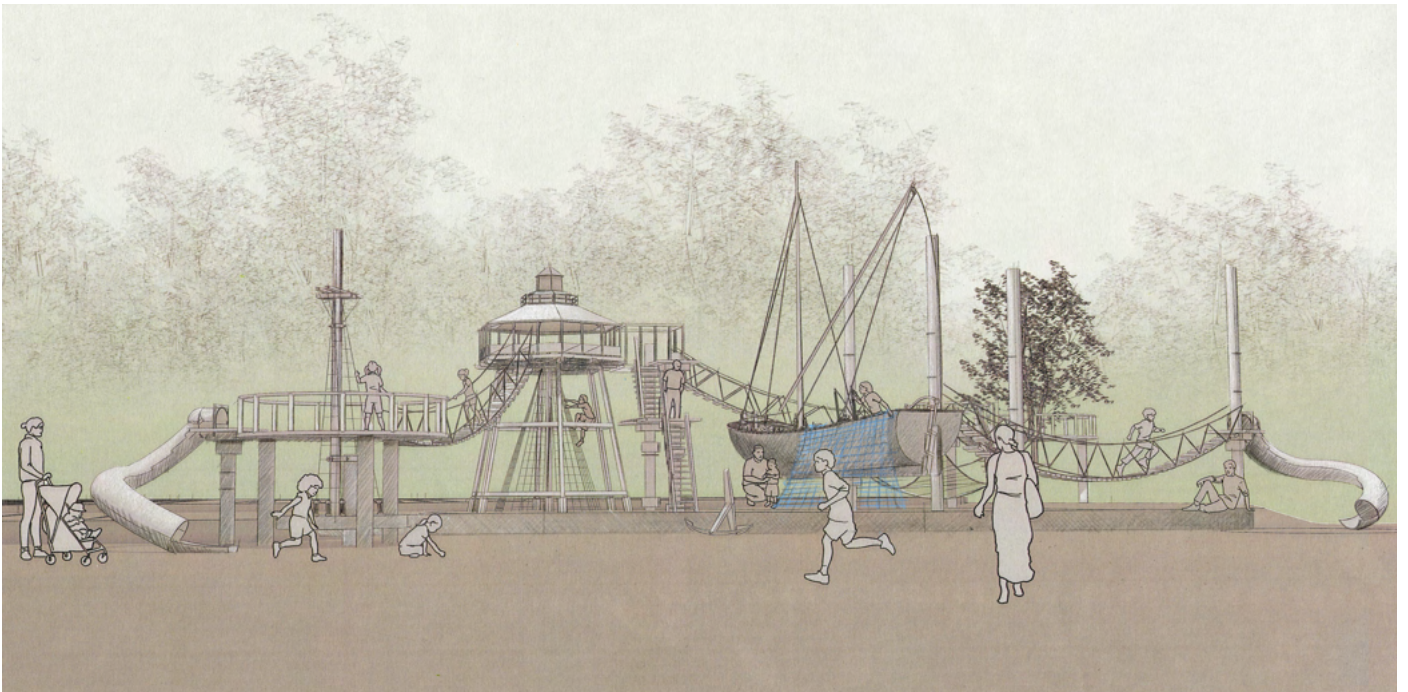
The Annapolis Maritime Museum is expanding to include the Ellen O. Moyer Nature Park at Back Creek as the home of the Annapolis Maritime Village. Quatrefoil worked with the museum to plan a strategy for ecological learning and to create memorable encounters on the Chesapeake Bay.

The entire park is an immersive educational facility including hiking paths, native plantings, pocket parks, woodlands, and a beach. The existing education classrooms will be outfitted with habitats and observation equipment for deeper dives into the science of the bay. A pavilion will accommodate special events and functions year-round.

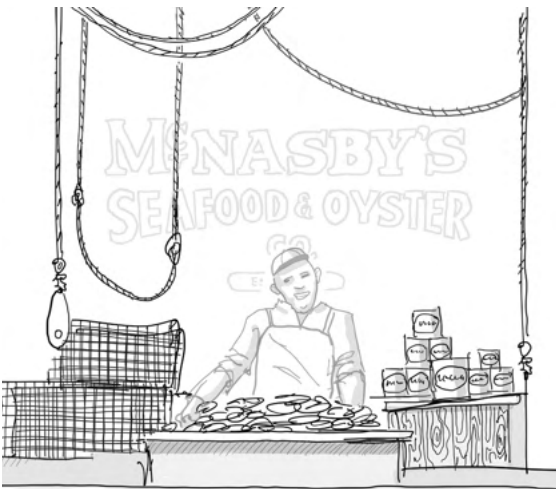


LOCAL PRIDE

The Annapolis Maritime Village is an asset to the local community, encouraging return visits and inspiring visitors to become environmental stewards.



A Maritime-themed playground designed to launch imaginations of all ages.



“Virtual” oysterman shares his story of working in this building when it was an oyster shucking factory.

Annapolis Maritime Museum

Annapolis, MD • 2021

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

The museum’s new permanent exhibit, *Our Changing Waterfront*, forges connections between visitors and the environment. Innovative hands-on activities foster positive outdoor experiences and help stimulate critical thinking. Since opening in late April 2021, the permanent exhibition has received a 2021 Heritage Tourism Product Award from the Four Rivers Heritage Area and a 2022 Maryland Preservation Award for excellence in Public Programming from the Maryland Historical Trust.

Highlights of our collaboration:

- Continued partnership for additional exhibits and grant submissions to accommodate their growing community.
- Focused awareness on the cultural heritage of the community—oystermen’s economic livelihood and it’s impact on the health of the Chesapeake Bay ecosystem.
- Awareness to the history of Eastport, as a predominately African American working class community.

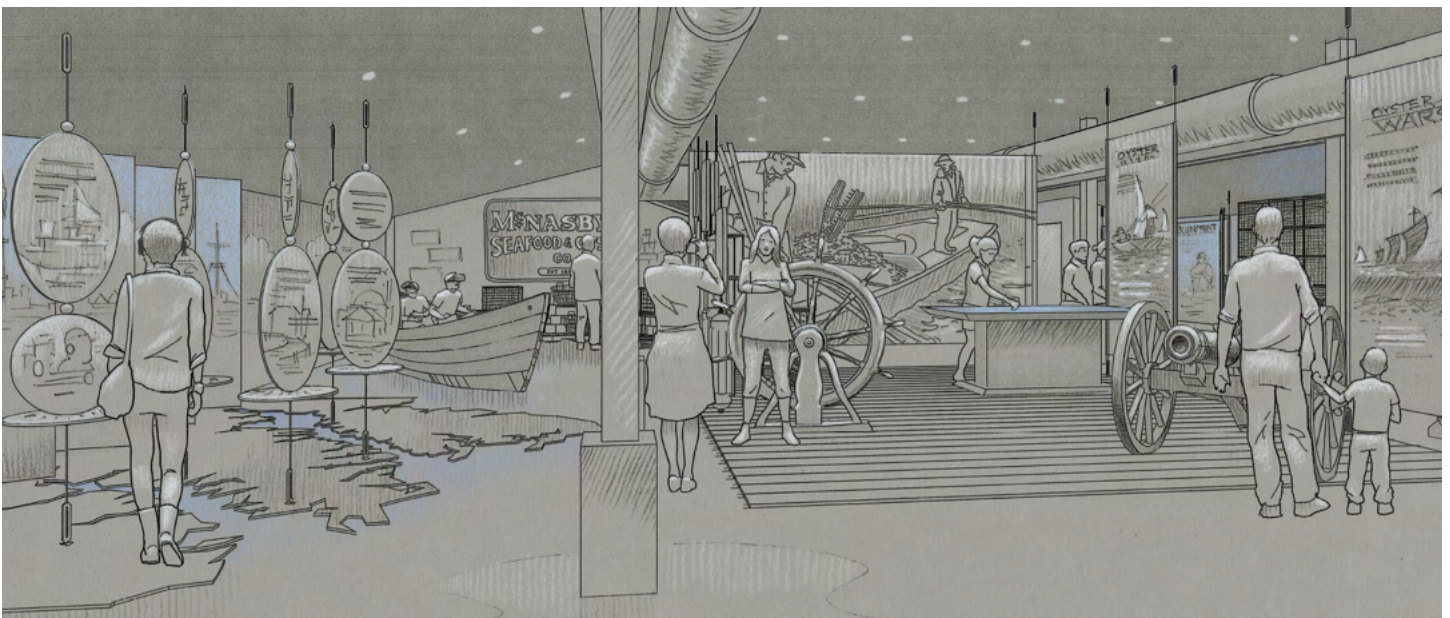


PEOPLE'S CONNECTION TO NATURE

This exhibition is intensely focused on themes of connection between the environment, animals, oysters, people and the larger world. It explores how our relationship with nature within this particular ecosystem has evolved over time and challenges visitors to be active and thoughtful about this special relationship.



Touch interactive





Brooklyn Children's Museum

"Building Brainstorm" • Brooklyn, NY • 2009

PLANNING • DESIGN • FABRICATION • PROJECT MANAGEMENT

Quatrefoil designed, developed and built this traveling exhibit for the Brooklyn Children's Museum. This exhibit traveled to all of the museums in the Youth Museum Exhibit Collaborative.

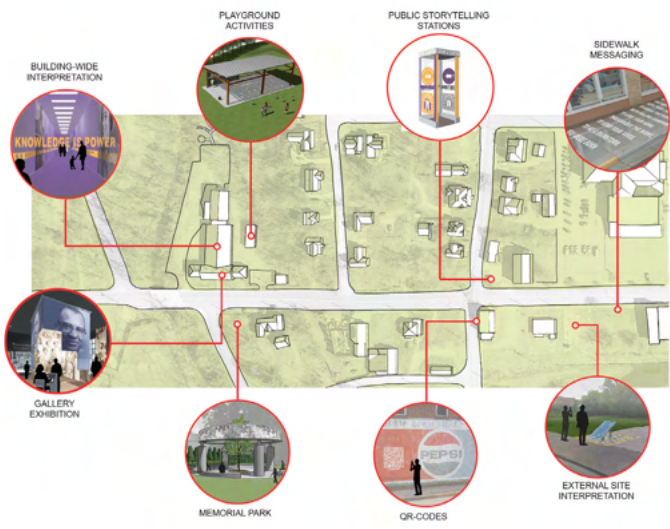
Building Brainstorm is designed to inspire visitors ages four to twelve to discover the excitement of designing and constructing buildings. Sixteen hands-on activities help address basic questions – What is a building? How do buildings stand up? The activities invite openended exploration of the creative design process that architects go through, leading kids to think "outside of the blocks".

The exhibit is set in a quirky design studio-like space, where fun, playfulness and inquiry are encouraged. Quatrefoil prototyped and tested all of the activities for the space, ensuring their durability and delivery of the content.





While the museum gallery’s perimeter focuses on the civil rights movement, contextualizing the Calfee Training School story, its center space is occupied by a multi-media projection space where the stories of the school’s legal challenges, struggles, and victories are told.



The museum experience not only occupies a gallery space within the former school, it is also found activating other interior spaces of the building, the grounds outside the building, as well as significant sites around the community.

Calfee Community and Cultural Center

• Pulaski, VA

MASTER PLANNING

The institution that came to be known as the Calfee Training School first opened its doors in southwest Virginia as a school for African American children in 1894. After years of Civil Rights activism and struggle, the public school system was required to desegregate by 1966, and the Calfee Training School was forced to close. Inspired by the legacy of Calfee School, today the Calfee Community and Cultural Center (CCCC) is committed to honoring the school’s rich past, meeting our community’s current needs, and creating a stronger future for Pulaski County.

A central pillar of the CCCC will be the African American Heritage Center at Calfee (AAHCC) – a dynamic and interactive museum that tells the story of the Calfee Training School, the vibrant community it helped to sustain, and the nationally resonant struggle for equality at the heart of its history.



Chinese American Museum DC

Washington, DC • 2019

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Quatrefoil was selected to design, develop and fabricate a visitor center and orientation exhibits for the Chinese American Museum in Washington, DC.

Visitors to the Chinese American Museum in Washington, DC are greeted by a 20-foot-long story wall featuring photos and short messages from Chinese Americans. The sculpture is set in the center of an dynamic mural graphic of an American Chinatown.

Nearby, a digital timeline, "Amazing Stories, American Legacy," invites visitors to explore milestones of the Chinese American experience from the last two centuries. Visitors can search along the chronological presentation or filter events by category.

Additional elements designed, developed and fabricated by Quatrefoil include a theater room, a digital registration desk where visitors can sign up for electronic newsletters and make donations, and a digital signage directory that shows a venue map, event schedules, and other news.



The Social Change section highlights civic minded topics such as the abolitionist movement, women’s suffrage and the debated rights of women and children of African American and American Indian heritage.



Designed artifact displays to showcase the collection, while also protecting it.

Chester County History Center

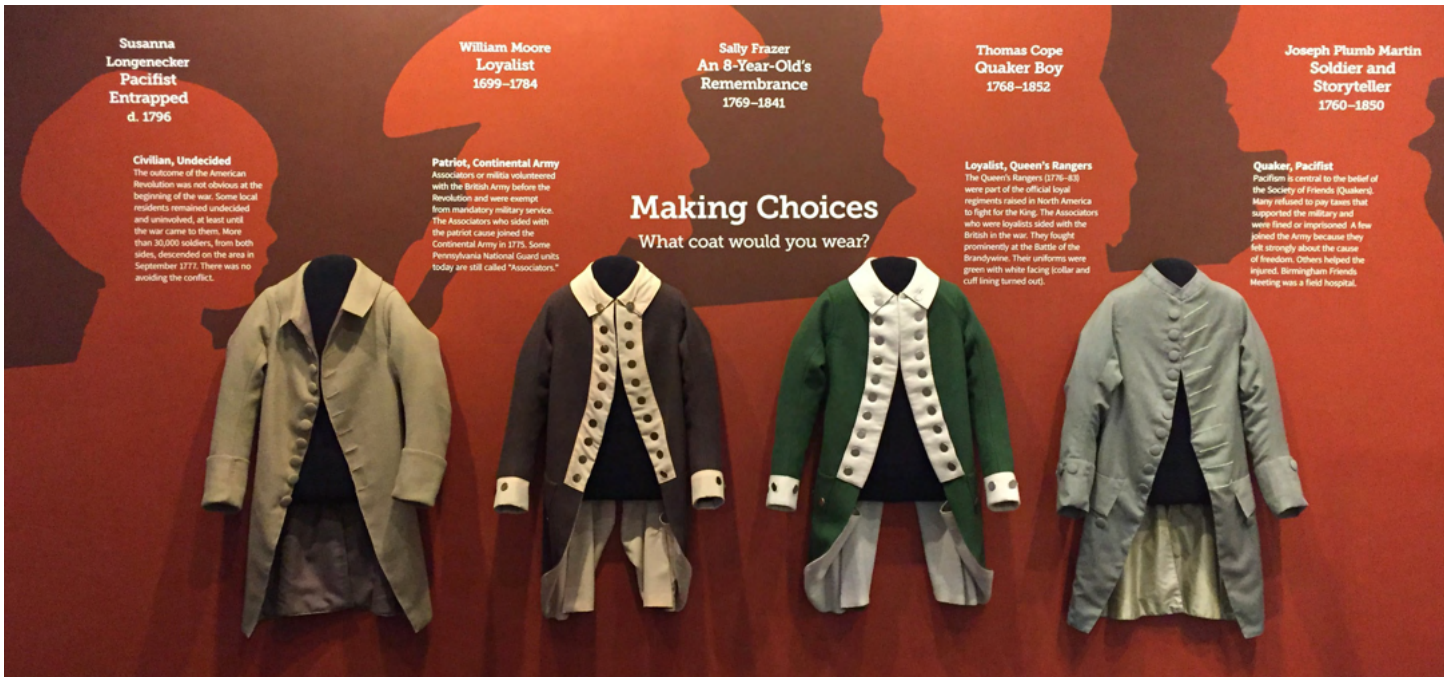
“Becoming Chester County” • West Chester, PA
2020

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Quatrefoil designed “Becoming Chester County,” a 5,000 square-foot permanent exhibition of the Chester County Historical Society. “Becoming Chester County” traces the history of the area from the arrival of William Penn and contact with the indigenous people in the 1600s to present day.

Highlights of our collaboration:

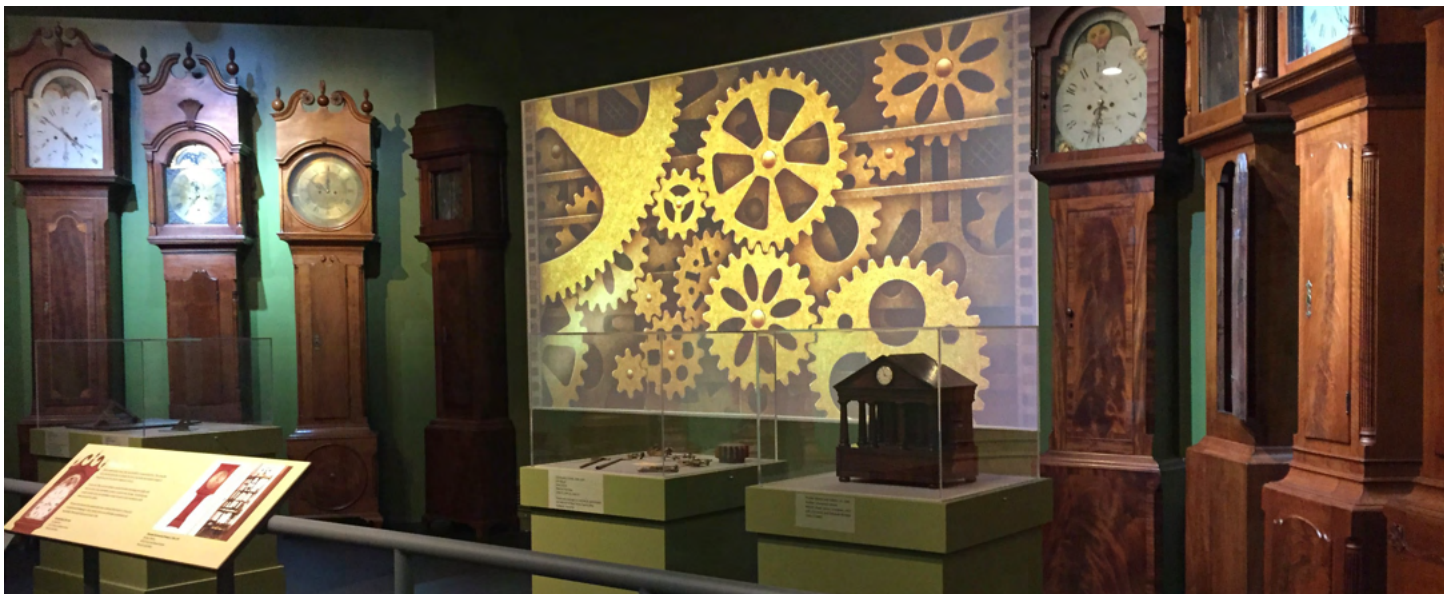
- Displayed more than 600 artifacts to showcase the breadth of the museum’s collection.
- Created interactives where visitors of all ages and abilities can learn about the stories of daily life, work, and civic engagement in Chester County.
- Raised awareness of the cultural heritage of the county, from the first Quakers to the German immigrants of the 1800s to present day.



Visitors are asked to “step into the coats” of people with different political outlooks.

LOCAL PRIDE

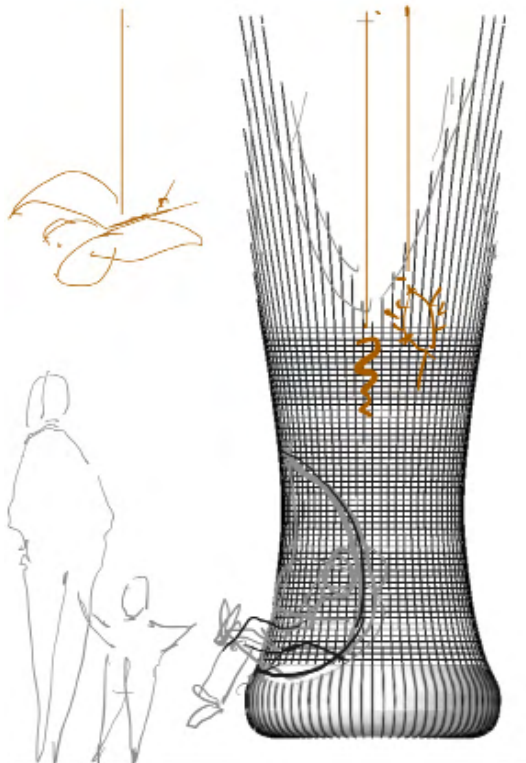
The exhibit celebrates Chester County’s trailblazers, their outlook, accomplishments and legacy.



Historic clocks are displayed with an introductory AV projection featuring stories from past to present day Chester County.



Piedmont Explorations is a 3,000 SF science and live animal gallery. Redering by Liollio.



Visitors immerse themselves into a bird's nest of oversized egg pillows in the 1500 square foot Saplings early childhood gallery.

Discovery Place Nature

Charlotte, NC • 2022

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Discovery Place is completely rebuilding and re-envisioning its 71-year-old Discovery Place Nature center. The new nature center will be a world-class environmental education center inviting the community to connect with and explore the wonders of the natural world.

Quatrefoil collaborated with Liollio Architecture and landscape design firm Hood Design Studio and designed interior gallery spaces and a variety of outdoor experiences across the entire 25,000-square-foot site.

The Quatrefoil team has successfully completed the Final Design phase and is preparing to move into the Construction Administration phase of the project. Construction is scheduled to begin in 2023.



“ONE NATURE”

Including humans as part of the natural world, visitors experience a more connected relationship as a lens to view our impact on the planet.

The exhibitions speak through a mosaic of voices and cultural perspectives atypical of traditional naturalists.

THE “GREEN LUNGS” OF NORTH CAROLINA

The deciduous forests of hickory and oak inspire people to compare the Piedmont to a pair of lungs, providing the oxygen needed for life. These woodlands and river basins are a great place for insects, birds, reptiles, amphibians, and mammals, including humans, to live. However, humans have made major changes to the Piedmont. Our agriculture and infrastructure ensure that humans have access to food, water, shelter, and power.

LOS “PULMONES VERDES” DE CAROLINA DEL NORTE

Los bosques caducifolios de nogal americano y roble inspiran a la gente a comparar a Piedmont con los pulmones, que proporcionan el oxígeno necesario para la vida. Estos bosques y cuencas fluviales constituyen un lugar ideal para albergar insectos, aves, reptiles, anfibios y mamíferos, e incluso humanos. Sin embargo, el ser humano ha realizado importantes cambios en la región de Piedmont. Nuestra agricultura e infraestructuras garantizan que los seres humanos tengan acceso a alimentos, agua, vivienda y energía.

How can we balance our needs with the needs of other plants and animals of the Piedmont?

¿Cómo podemos equilibrar nuestras necesidades con las de otras plantas y animales de la región de Piedmont?



Outdoor interpretation incorporates natural materials and complement the museum’s architecture.



Working as a group with the Kapla Blocks



Visitors explore architectural composition through Elements of Style, a custom program for the Microsoft Surface

Discovery Place

Project Build • Charlotte, NC • 2010

PLANNING • DESIGN • MMAV • FABRICATION

Project Build takes visitors on an adventure through the built environment. The story begins with our basic need for shelter and develops into an exploration of how architects design.

The activities Quatrefoil developed challenge visitors to expand their understanding of how buildings function. The experience is driven through large-scale and hands-on physical activities. We prototyped and tested these interactives with young visitors in-house ensuring visitors comprehend the foundations of context, utility and aesthetics.

The activities include building blocks with a twist, for example building on a topographic surface. There are full body activities for building shelters and multi-touch tables to explore design. The openended, group activities make Project Build a fun and lively experience. for ages 8-14.



A topographic landform illustrates the challenge of building in certain locations.



Move furniture and wall in this interactive floor plan



Inspirational models and block for free expression



Dumbarton Oaks Research Library and Museum

“Juggling the Middle Ages” • Washington, DC • 2018/2020

DESIGN • MMAV • FABRICATION • PROJECT MANAGEMENT

“Juggling The Middle Ages” brings alive the historic and enduring tale of the Juggler of Notre Dame, from its origins as a medieval French legend about a poor juggler who offers his humble artistic talents to the Virgin Mary as a gift, to its continued relevance and influence on popular culture today. “Art” is indeed the true gift.

The exhibit incorporates activities and interactive media pieces with a collection of priceless artifacts.

Highlights of our collaboration:

- Showcasing exquisite art and artifacts against historic architectural backdrop
- Translating topics of scholarly research and study into an accessible and rewarding visitor experience.





TRAVELING EXHIBIT

After a successful run of the exhibit at the museum, Dumbarton Oaks engaged Quatrefoil to create a traveling exhibition using inexpensive trade show exhibit materials.



Media and interactive design and development to engage family audiences of all ages.

Preserving the essence of the visitor experience in a smaller footprint traveling exhibit.



Go For Broke National Education Center

Traveling Exhibit • Los Angeles, CA • 2017

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

After the 2016 opening of the Defining Courage permanent exhibit in Los Angeles, the Go For Broke National Education Center asked Quatrefoil to plan, design, and build a traveling version of the exhibition. *Courage and Compassion: Our Shared Story of the Japanese American World War II Experience* weaves personal accounts of Japanese Americans during WWII together with user-generated content to spark visitor dialogue and critical thinking around today's issues. At each venue, the host institution is encouraged to add content telling their own community's personal stories and events.

Since 2017, *Courage and Compassion* has visited communities across the U.S. where citizens extended a helping hand to Japanese Americans during and after WWII including Salem, Ore.; Honolulu; Kingsburg, Calif.; Oberlin, Ohio; St. Paul, Minn.; Monterey, Calif.; Peoria, Ill.; Rochester, MN; Chicago; Albuquerque and Houston.





The 2,500 square foot exhibition is housed in a Buddhist temple built by some of Los Angeles' first Japanese immigrants.

Go For Broke National Education Center

“Defining Courage” • Los Angeles, CA • 2016

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Located in an historic Buddhist temple, Defining Courage is a participatory storytelling environment that illuminates the experiences of Japanese American soldiers and their families during World War II. It weaves first-person stories together with user-generated content to spark visitor dialogue and critical thinking around today’s issues. Visitors are encouraged to consider how key themes—identity, loyalty, race, citizenship—remain relevant in our lives today.

Highlights of our collaboration:

- Facilitated workshops with Japanese American community to develop themes and goals.
- Several participatory exhibits that allow for visitor contribution.
- Informal learning activities that draw out their own relevant experiences of contemporary issues.
- Centered accessibility and diversity in design work.





Images of Japanese Americans leaving for internment camps are projected onto furniture and luggage left behind.

“You understood our unique hopes for a new type of history exhibition, and you astounded us with your creativity.”

—Exhibit Manager,
Go For Broke National Education Center



A multimedia storytelling kiosk takes visitors along an interactive journey.



Visitors are encouraged to write about acts of courage.



In Gifts of the Creator, artists' works and artifacts convey key messages.



Exhibition content explores difficult stories such as Native land appropriation, Indian boarding schools, and religious conversion.

Indian Pueblo Cultural Center

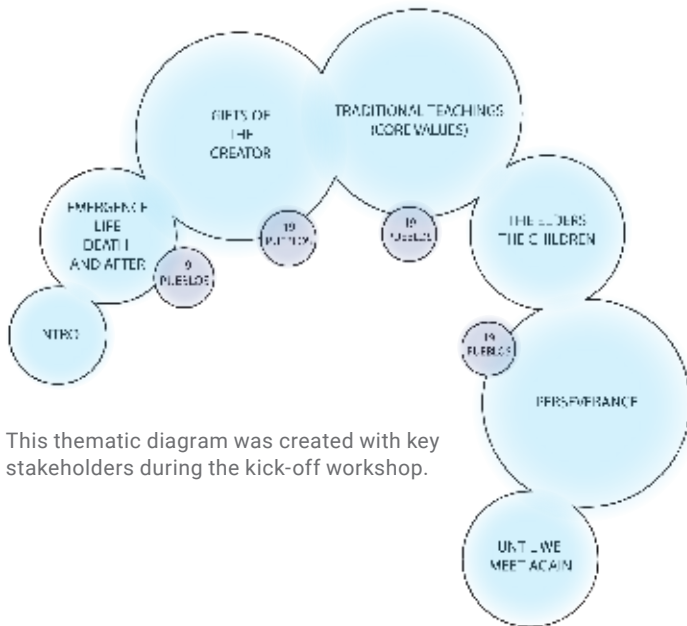
Albuquerque, NM • 2016

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Quatrefoil worked with the in-house curatorial team at the Indian Pueblo Cultural Center (IPCC) on a complete re-design of their 11,000-square foot museum. *We Are of This Place: The Pueblo Story*, features a thematic approach that is inclusive of nineteen Pueblos and is built upon their strong tradition of storytelling as a way to explore Pueblo language, customs, traditions, core values, struggles, and perseverance. A rich collection of objects is displayed along with a variety of interactive experiences and media presentations.

Visitors to the exhibition can hear stories in Pueblo languages from artists and elders; engage in hands-on activities in the Grandma's Kitchen children's area; and interact directly with art and artifacts.

Quatrefoil produced the multimedia elements of the exhibition and worked in partnership with the IPCC on the fabrication and installation.



This thematic diagram was created with key stakeholders during the kick-off workshop.

COLLABORATION

To kick off the project, Quatrefoil facilitated a workshop with key stakeholders from the 19 pueblos. During this workshop the exhibition framework was co-created. For the duration of the project we continued to consult the pueblo representatives.





Blacklights reveal hidden exhibit text.

Los Alamos History Museum

Los Alamos, NM • 2016

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Quatrefoil developed, designed and installed new exhibits that connect visitors to the stories of Los Alamos through images, soundscaping, multimedia and interactive elements. This included a complete re-envisioning of the main museum along with new exhibits and outdoor interpretation.

The transformed museum in the Guest Cottage includes an orientation gallery, an exhibit featuring artifacts from the Los Alamos Ranch School—including the eviction letter sent to the school by the U.S. government in order to provide a secure site for the Manhattan Project—and the Manhattan Project galleries.

The Manhattan Project section reveals how the scientists and their families lived and worked in the secret community while developing the technologies that would dramatically change not only the course of World War II, but also the history of humankind.



“I am delighted with the approach and final product ... Their several-years effort, continually involving stakeholders to tweak and hone and to fund the professional design and build by Quatrefoil Associates, has created a place where local, national, and international visitors feel welcomed into the story of the people of Los Alamos.”

—Linda Deck, Director, Bradbury Science Museum of Los Alamos National Laboratory





Community Voices displays photos and videos from diverse Boulder residents.



STE(A)M-focused programming space for the museum's young visitors.

Museum of Boulder

Boulder, CO • 2018

EXHIBIT DESIGN • MULTIMEDIA • INTERACTIVES • GRAPHIC DESIGN

The Museum of Boulder's *Boulder Experience* permanent exhibition offers an immersive trek through 160 years of the city's innovative, complex and sometimes controversial history. It also maintains a strong connection to the present, focusing on the region's cutting-edge institutions, organizations and businesses.

Boulder Experience is also a place for debate, creativity, and action. Visitors can reconsider the city's planning decisions, find and retrieve a stranded mountain climber, save the world from solar storms. It also functions as a portal to the city itself. Prompts within the *Boulder Experience* point out the locations and distances (walking, biking or driving) to the ongoing stories beyond its walls.

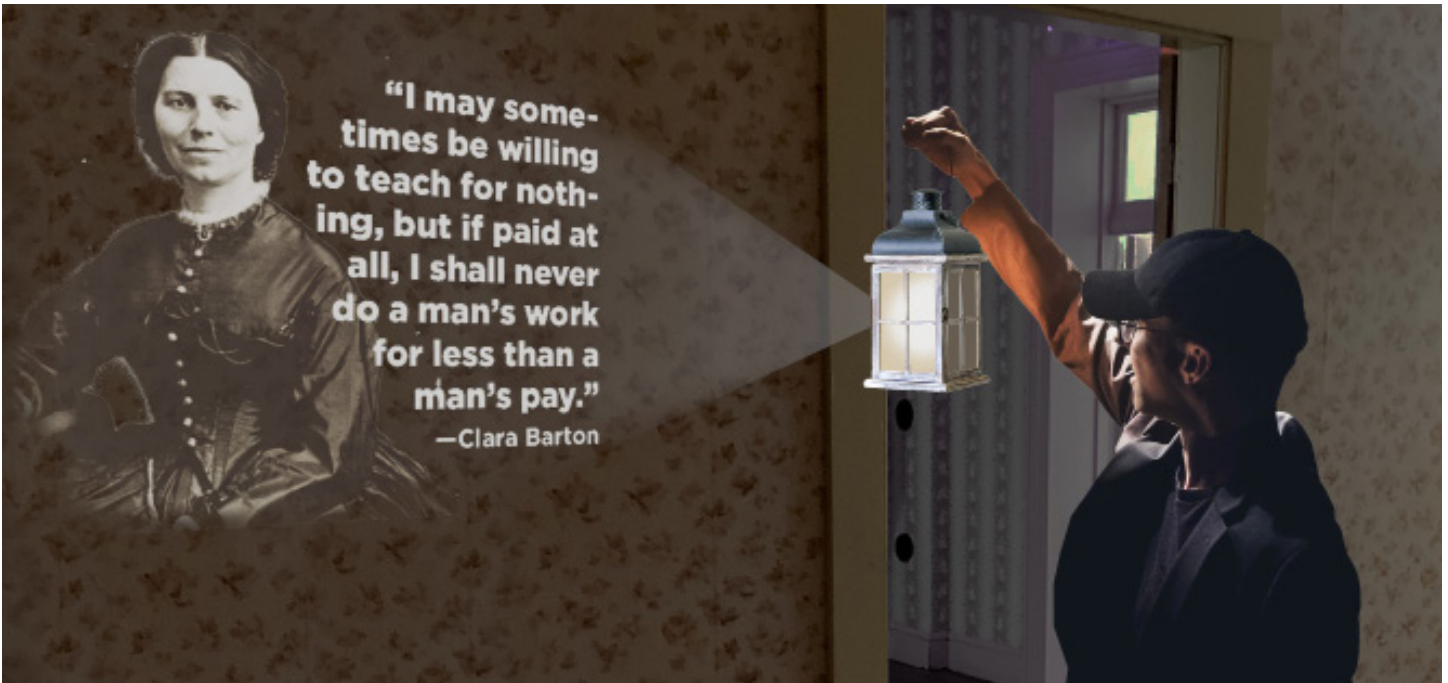
Finally, we designed the exhibit for change—updateable and flexible, with space for programming.



COMMUNITY-FOCUSED CONTENT & PARTICIPATORY EXPERIENCES

The gallery places visitors at the crossroads between the city's past, present and future. Continually updated content streams flow through the exhibition transmitting the current pulse of Boulder's social, scientific and technological communities.





For Clara Barton's Office for Missing Soldiers, Quatrefoil designed a lantern that projects content as visitors move from room to room in this historic building.

Museum of Civil War Medicine

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Quatrefoil's work for the Museum of Civil War Medicine focused on designing experiences for three sites: The Museum of Civil War Medicine in Frederick, Clara Barton's Missing Soldiers Office Museum in Washington DC, and the Pry House Field Hospital in Keedysville, MD. In addition to designing visitor experiences for each site, Quatrefoil also designed interconnections among them, as well as with other relevant heritage sites.



This simple "Missing Poster" provides pedestrians with a short story and prompts visitors to visit Clara Barton's Missing Soldiers Office.



A bus stop is transformed into a pop-up exhibit, featuring a replica of a Civil War-era embalmer's table in place of a bench.



Immersive education center with artifact access, interactive multimedia and environmental graphic design.

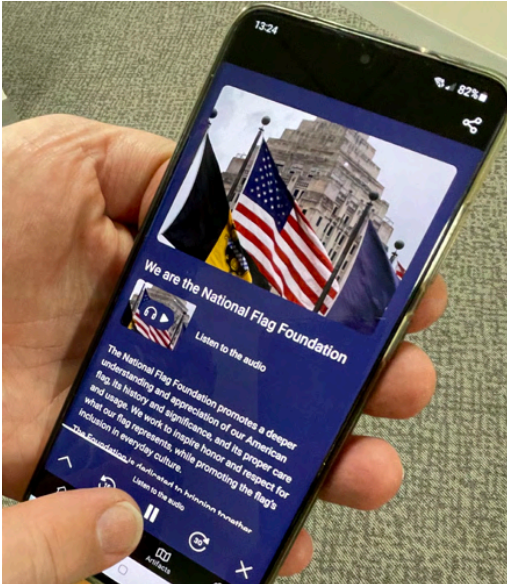
National Flag Foundation

One US Flag Center at Koppers
Pittsburgh, PA • 2021

EXHIBIT DESIGN • MULTIMEDIA • INTERACTIVES • GRAPHIC DESIGN

Quatrefoil was selected to plan, design and build One US Flag Center at Koppers. The historic Koppers Building is the headquarters of the National Flag Foundation and a major architectural feature of downtown Pittsburgh. The exhibit, “The Stars and Stripes Experience” is an inspiring and thought-provoking exploration of the iconic symbol of the United States of America.





Quatrefoil created a companion app for the exhibit on the STQRY platform.



Visitors can also record their own flag stories.

THE ICONIC SYMBOL

Featured artifacts include 13-, 35-, 36- and 48-star flags from the U.S. Centennial, Civil War and World War II eras, and a World War I Blue-Star Service Flag.



An interactive digital timeline invites visitors to delve into the living history of the flag through stories, quizzes, pictures and videos. A mini-theater and short films feature celebrities, veterans and everyday Americans sharing their perspectives on the flag. Visitors can also record their own flag stories.



Banner images capture law enforcement at specific moments for each crash site near a backdrop of projected video imagery. Recovered artifacts from sites displayed.



The 9-11 memorial recognizes and honors all fallen Law Enforcement Officers. Selected personal stories are featured in an audio kiosk interactive.

National Law Enforcement Museum

“Post-9/11: The Evolution of American Law Enforcement” • Washington, DC • 2021

EXHIBIT DESIGN • MULTIMEDIA • INTERACTIVES • GRAPHIC DESIGN

Quatrefoil was selected by the National Law Enforcement Museum to design a special exhibition marking the 20th anniversary of the 9/11 attacks. The exhibition focuses on the changes in law enforcement in America since the 2001 terrorist attacks but is also a memorial to those law enforcement officers who died as a result of their service on that day, either during the attacks or in the years after.

Quatrefoil’s scope of work included the planning and design of the special exhibition plus multimedia and interactive development and production. In addition, Quatrefoil was also responsible for multimedia/ interactive set-up and installation and oversight/ coordination with the exhibition fabricator.



Visitor engages with Facial Recognition interactive.



Powerful artifacts are displayed: debris from crash sites, an original anthrax letter and a replica of the Boston marathon bomb.

EXHIBIT HIGHLIGHTS

Engaging Interactives, bold graphics and impressive artifacts pair crime stories with innovative security and law enforcement improvements



Immersive ambient soundscaping, linear media treatments and multimedia interactives.



A printed brochure was created as a companion to the exhibit.





Daughters of the American Revolution

“National Society of the Children of the American Revolution” • Washington, DC • 2022

DESIGN • MMAV • PROJECT MANAGEMENT

This exhibition tells the story of the National Society of the Children of the American Revolution (N.S.C.A.R.) that connects their historic past with the organization’s work today. Through digital interactives, graphic structures, and artifact displays, the exhibition focuses on core themes such as “Leadership”, “Service to Others”, and “Civic Engagement”. Quatrefoil worked closely with both younger and older members of NSCAR to design a flexible exhibition system, which was installed into their headquarters in Washington D.C. The casework was designed to accept new objects for updating the exhibition, and because the historic status of the building prevented any physical attachment to the space, the structures were designed to be freestanding and mobile, allowing staff to accommodate large events that occasionally occupy the hall.





Visitors select a character to see themselves in a virtual costume, then push a button to appear in the playbill

Port Discovery

"Playhouse" • Baltimore, MD • 2023

PLANNING • DESIGN • PROJECT MANAGEMENT

Port Discovery Children's Museum in Baltimore engaged Quatrefoil to develop a "Playhouse", a flex space created as an active theater and creative play space for children aged 2-10 years old.

Working closely with the museum's exhibit and education teams, our team shared design ideas as well as the challenge of optimizing available funds toward an enriching experience without sacrificing imagination and wonder. Universal design philosophy guided our decisions for meeting ADA accessibility standards and creating intuitive instructions for young audiences.

The "Playhouse" invites visitors to:

- become actors on the Scenic Stage, playing together to create a story.
- engage with Tech Booth lighting and sound effects to project onto the Scenic Stage to bring the story to life.
- Get into Character by trying on actual costumes and digital headgear; then "appear" in the actual playbill poster with augmented reality 3D software.
- appear and disappear behind a scrim, interact with color and theatrical lighting effects.

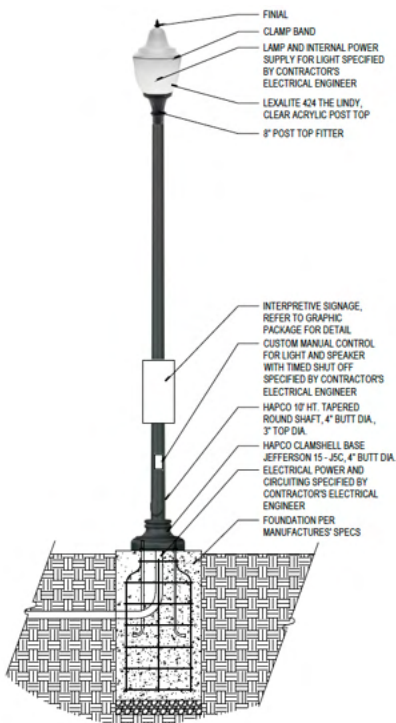


St. Luke's and Odd Fellows Hall

Blacksburg, VA

PLANNING • DESIGN • PROJECT MANAGEMENT

The experiences designed for the St. Luke's Odd Fellows Hall focuses on the history of New Town, a predominantly Black community in Blacksburg VA. The Hall was paid for and built by residents, and functioned as the heart of their community. The experiences Quatrefoil designed turn the museum inside out, with interactives and graphic systems embedded into the surrounding environment and activating the building at night with "storytelling streetlamps" and projections of historic figures and quotes onto the building.



Storytelling streetlamp



A young visitor weaves a variety of oversized fibers in this loom interactive.

The Textile Museum

Textiles 101 • Washington, DC • 2018

PLANNING • DESIGN • PROJECT MANAGEMENT •
INSTALLATION

Visitors learn the fundamentals of fiber, color, and structure in designing textiles. The space is interactive, and maximizes flexibility to serve as both a classroom and a self-guided exhibit. The interactives and featured items from the education collection encourage visitors to use their sense of touch, critical for textile appreciation.

Quatrefoil collaborated with the museum staff and a team of artists to create a display about basics of woven, felt and knit fabrics. Graphics and interactive components were designed to be easy to change, from the removable graphic panels to the hanging textile system.

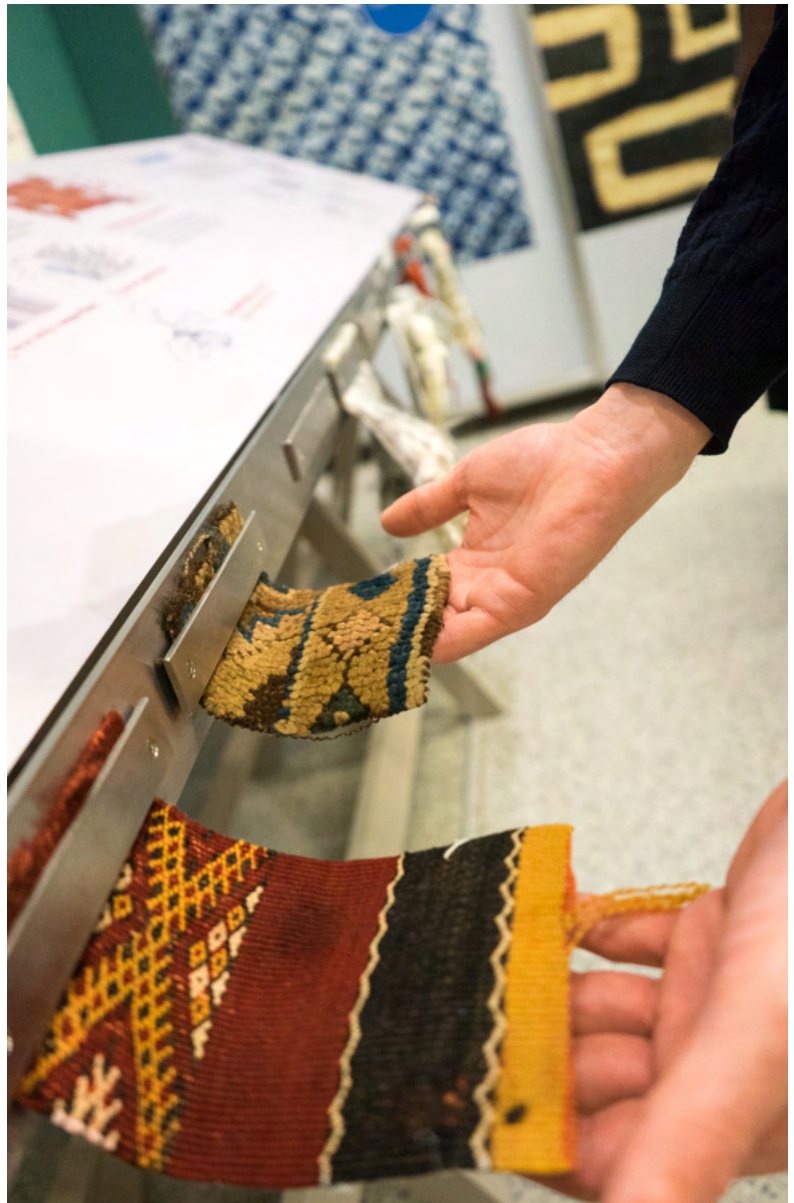


Three local artists created knit, woven and felted examples of textiles to illustrate basic techniques.



MULTI-SENSORY

Touch fibers, swatch samples and artist's textiles from the education collection. A system for frequent changing of samples was required to keep the displays fresh and up-to-date.





Rendering of Biodiversity "hub" located at the center of the museum.

Virginia Museum of Natural History

Waynesboro, VA • 2015, 2020

PLANNING • DESIGN

The Virginia Museum of Natural History is expanding through the creation of a satellite facility in Waynesboro, Virginia, at the southern end of the Shenandoah National Park. We worked closely with the museum's core team, our architectural subcontractor and stakeholders in both Waynesboro and at the museum's headquarters in Martinsville, Virginia, to develop a multifaceted experience that explores the biodiversity and natural conditions of the region and spans millions of years while sharing stories of nature over time that provide a deepened sense of wonder and appreciation for the local surroundings.

The master planning materials and conceptual design Quatrefoil created for the museum—including floor plans, sketches and renderings—were used to raise funds and build awareness and support for the project.



Rendering of "specimen stories" where placing replicated objects on a surface trigger audio narration and a video projection around the object.

LOCAL PRIDE

While the museum content will span billions of years, its focus is completely local. Place-based natural history experiences span the museum's galleries, as well as being embedded into local surroundings.



Rendering of play space offering everything from wading in a stream to spelunking.



Virtual Science Center

“Reinventing Reality: Explore the Science of Virtual Reality” • Traveling Exhibit • 2019

PLANNING • DESIGN • MMAV • PROJECT MANAGEMENT

Quatrefoil designed a 5,000-square-foot traveling exhibition on how virtual reality and augmented reality work. “Reinventing Reality” is an immersive exhibition where visitors can explore the science, creativity and innovation behind one of the world’s fastest-evolving technologies, virtual reality (VR).

Quatrefoil partnered closely with the in-house team at the Virtual Science Center to develop the activities, build prototypes and test these inquiry-based experiences in perceptual psychology, digital modeling and sensory displays.

The exhibition—presented in English and Spanish—combines science, technology, engineering and mathematics concepts with playful interactives to reveal how individual elements of VR work. “Reinventing Reality” also introduces visitors to the social impacts of VR, from training astronauts to designing new cars and products.



AWARD-WINNING EXPERIENCE

American Alliance of Museums
2021 MUSE Gold Award: AR, VR,
Mixed Reality.





The cases display the club's collection of memorabilia and trophies from its inaugural season to its 2019 World Series title and beyond.

Washington Nationals FIS Champions Club

Washington, DC • 2022

DESIGN • PROJECT MANAGEMENT

The Washington Nationals selected Quatrefoil to design high-end exhibit cases and interpretive and environmental graphics for their recently opened FIS Champions Club.

Innovative dynamic lighting effects bring the collection of game-worn jerseys, trophies, baseballs, bats, and other objects alive in a 46-foot contiguous glass case. Smaller cases along the suite entrances hold vignette-type displays of baseball memorabilia. Large-scale murals and interpretive graphics highlighting key moments and players in the team's history create a celebratory mood in the Club Level of Nationals Park.

In addition to creating the design, Quatrefoil was responsible for the production and installation of casework and graphics with our team of consultants and contractors.



“It was refreshing to work with Quatrefoil. They listened to our thoughts and goals relative to the project and were able to translate them into a coherent well thought out design.”

- Frank G. Gambino
Senior Vice President and General
Manager of Nationals Park, Washington
Nationals





Visitors draw portraits directly onto glass as they sketch over their subject beyond.

Westmoreland Museum of American Art

Center for Creative Connections • Greensburg, PA • 2015

PLANNING • DESIGN • PROJECT MANAGEMENT • FABRICATION

Quatrefoil worked with curators and educators at the Westmoreland Museum of American Art to develop, design, prototype, test, and build interactive stations that invite visitors of all ages to explore activities related to the museum's collection.

Activities include an opportunity to create landscape layouts that explore southwestern Pennsylvania's development, a build-a-bridge station that challenges the visitor to build some of Pittsburgh's common bridge styles, a stop-motion interactive to make artwork come alive, and a large drawing glass that inspires freehand artistry.

Quatrefoil also designed and built the Creation Station, a mobile art-making experience, that educators and volunteers use in various museum galleries to explore specific themes and media.