



Historic Ships of Baltimore's Inner Harbor

Located in Baltimore, Maryland

Managed and Preserved by

living
classrooms est. 1985 learning
by doing





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Commitment, Vision & Values



Commitment & Vision



Our Commitment

Creating Opportunities to Transform Lives

At Living Classrooms Foundation, we are dedicated to enhancing the lives and futures of children, youth, adults, and families while creating holistic and transformative programming within our communities.



Our Vision

Building Thriving Communities, Together

Our vision is to engage our community members in forging robust, equitable, and sustainable communities together. We do this by listening and working with communities to create effective education, workforce development, health and wellness, and community safety programs that tackle deep-rooted challenges. We set ambitious goals, from academic achievement and living-wage job placement to healthy and safe communities.



Our Values

Excellence

We believe that every individual possesses the potential for greatness. We understand that the strength of our community lies in the resilience of each person. We are committed to being a catalyst for positive collective impact by nurturing the talents of all.

Collaboration

We recognize that great programs are built when communities are actively engaged in building them. We listen attentively, respond with empathy, and ensure that individuals, families, and stakeholders are central to our planning and programming.

Integrity

Respect and honesty are the foundational principles for our work. We maintain uncompromising standards, nurture a culture of dignity, and prioritize transparency. Our commitment to integrity is our compass, guiding us as we remain accountable to our communities, stakeholders, and supporters.

Historic Ships Mission

The mission of Living Classrooms Historic Ships in Baltimore is to collaboratively honor and perpetuate the legacy of dedicated service by those who served onboard our vessels and the preservation of our maritime heritage through education. Living Classrooms is committed to providing students with unique, hands-on programs that emphasize applied learning in math, science, social studies, language arts, and social skills. Through dynamic 'learning by doing' experiences, participants witness how academic skills are applied in the real world.

Our comprehensive mission includes historical interpretation, restoration, and preservation of these revered symbols of our maritime heritage. Additionally, we serve as cultural and educational resources for our community, raising awareness throughout Maryland and the United States about these vital elements of our nation's history. Leadership, teamwork, and a commitment to fostering a deep appreciation for our maritime legacy unite our efforts to create a powerful impact on the individuals and communities we serve.

Introduction



Introduction

Historic Ships of Baltimore's Inner Harbor, managed and preserved by Living Classrooms Foundation, are more than just historic national maritime landmarks.

They actively enrich the region's educational and cultural landscape. Each year, these seven Historic Ships transform into interactive classrooms for thousands of students and beckon a multitude of tourists, deeply impacting the local community. The genesis of Living Classrooms traces back to 1985 with the construction of the Pungy Schooner *Lady Maryland*. Since its inception, Living Classrooms has curated a fleet of seven historic vessels, becoming beacons of hands-on maritime and environmental education for thousands of students annually, navigating the waters of the Baltimore Harbor seaport and throughout the Chesapeake Bay.

Our Historic Ships resonate far beyond their educational and cultural value. These ships play a pivotal role in amplifying Maryland and Baltimore City's heritage tourism industry, drawing legions of visitors and contributing significantly to the region's \$3 billion tourism economy. As highlighted in the 2022 Visit Baltimore Annual Report, tourists, on average, spend \$1,385 in the city, with a substantial 80,000 naming the Historic Ships as their prime attraction. The biennial Maryland Fleet Week & Flyover Baltimore event, managed by Living Classrooms, adds another dimension. This event alone, in 2022, generated an economic boost to the community of \$7.8 million and achieved a staggering 1.36 billion media impressions. Amidst the allure of tourism, at the core of these ships lies a commitment to education. Our tailored programs, rooted in hands-on learning, engage over 8,000 students annually, underlining their central role in both invigorating the economy and nurturing young minds.

Overview & Background



Background: Our Fleet



For decades, the Living Classrooms Foundation has proudly safeguarded an illustrious fleet of seven historic vessels. The Frederick Douglass-Isaac Myers Maritime Park is Living Classrooms' headquarters and is a national heritage site, celebrating the contributions of African Americans in the development of Baltimore's maritime industry, including the Chesapeake Marine Railway and Dry Dock Company, the nation's first African American-owned and operated shipyard established in 1866. The site honors the legacy of shipbuilding and Baltimore's working waterfront as it relates to African American Maritime and Cultural History, Isaac Myers and his partners, and Frederick Douglass while preserving one of the city's oldest industrial waterfront buildings, the Sugar/Coffee House. In addition to the 1856 Seven Foot Knoll Lighthouse on Pier 5, four of these historic maritime treasures are listed on the National Register of Historic Places, each narrating a distinctive chapter of history:

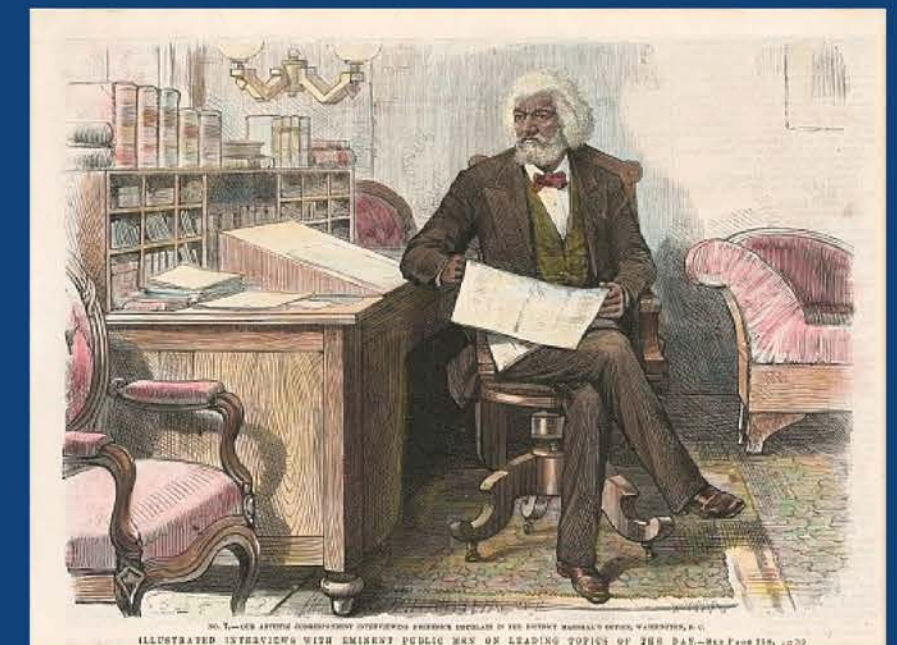
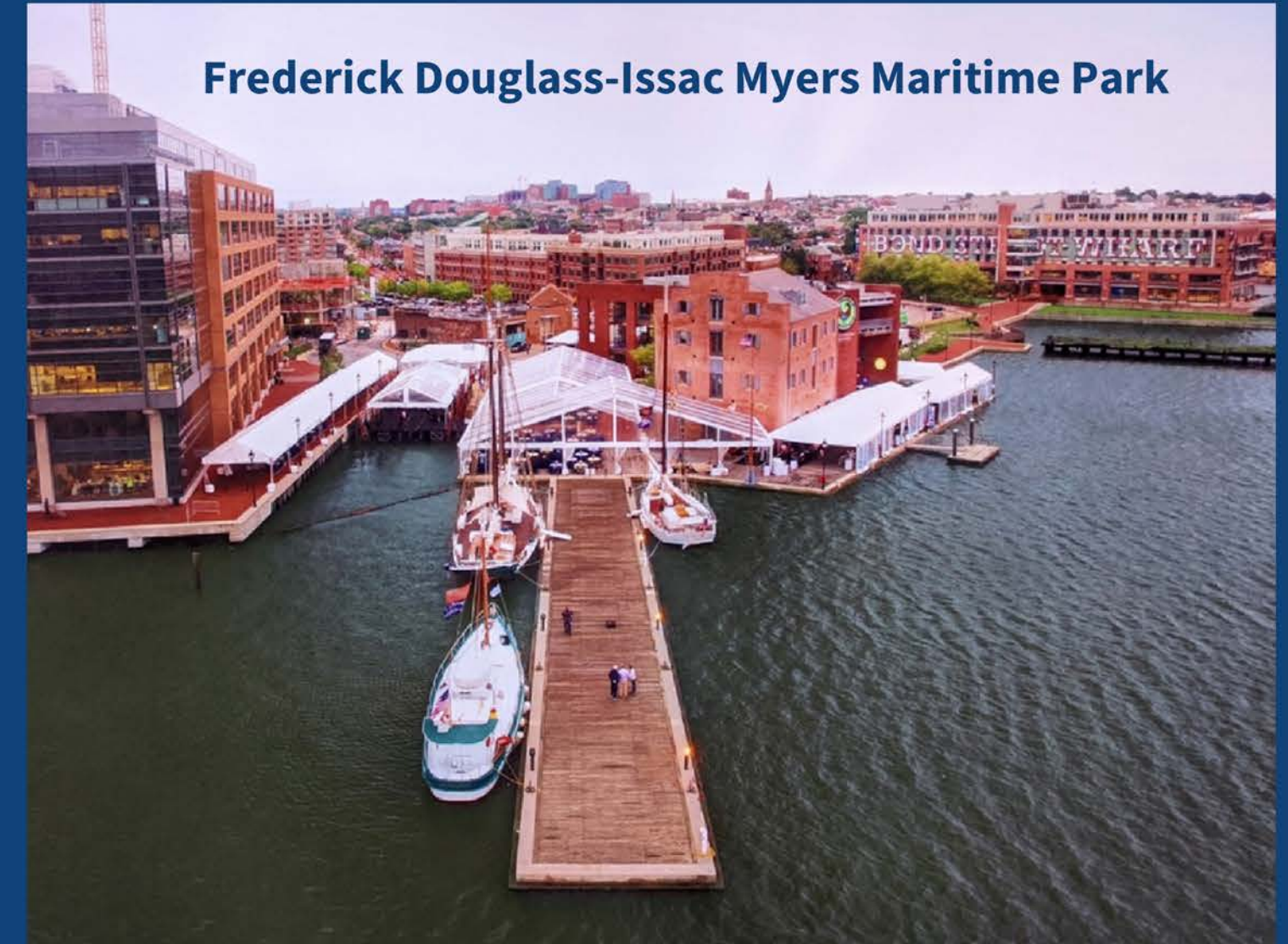
- *USS Constellation*, a Sloop-of-War: The last sail-only warship built by the US Navy. The vessel served as the flagship of the US Africa Squadron, battling the transatlantic slave trade on the brink of the Civil War.
- US Coast Guard Cutter WHEC-37: A witness to history, this ship is the sole warship afloat today that braved the attacks on Pearl Harbor.
- Submarine *USS Torsk*: Cemented its place in history by sinking the last pair of enemy combat vessels in the Pacific, bringing an end to WWII conflicts there.
- Lightship 116 *Chesapeake*: This vigilant lightship served as the guiding beacon for maritime traffic entering the Chesapeake Bay from 1933-1965. The ship is 93 years old.
- Skipjack *Sigsbee*: As one of the remaining traditional Chesapeake Bay skipjacks, this vessel proudly represents the last commercial sailing fleet in the US and was originally built in 1901 and restored by Living Classrooms in 1994.
- Buy Boat *Mildred Belle*: With 75 years under her belt, this authentic Chesapeake Bay buy boat has an eclectic past—from fishing and crab dredging to swiftly transporting fresh seafood to market.
- Schooner *Lady Maryland*: The world's only "Pungy" schooner, this vessel dates back to traditional 19th-century Chesapeake designs and is Maryland's living classroom.

Background

Nestled in Baltimore's iconic Inner Harbor, the *USS Constellation*, *USS Torsk*, *USCGC WHEC-37*, and *Lightship 116 Chesapeake* stand as majestic stationary museum ships, welcoming visitors daily. Meanwhile, the Schooner *Lady Maryland*, *Skipjack Sigsbee*, and *Buy Boat Mildred Belle*, all US Coast Guard inspected, are based at the historic **Frederick Douglass-Issac Myers Maritime Park — the site of the nation's inaugural black-owned shipyard**. These active vessels offer students and enthusiasts immersive on-water educational journeys, bridging past and present.

Caring for these seven historic ships involves meticulous maintenance and capital preservation, curating associated historical collections, and interpreting the rich history they represent as educational and cultural treasures. These vessels significantly shape Baltimore's and Maryland's cultural tapestry, raising national awareness of our maritime heritage.

Through the operation and preservation of these iconic ships, we continuously highlight pivotal chapters of our nation's maritime narrative.



Background: Our Fleet



Lightship 116 Chesapeake



USS Constellation



USCGC WHEC-37



Submarine USS Torsk



Schooner Lady Maryland



Buy Boat Mildred Belle



Skipjack Sigsbee

Programming & Education



“Every year I am thoroughly impressed with how the crew instructs and interacts with my students. They are so well prepared and ensure that the safety and learning of the students is addressed. My students and parents continue to tell me throughout the school year that this was the best trip they have ever been on. In their yearbooks, many of them list this trip as the highlight of their elementary school experience. Thank you for allowing us to come aboard!”

- Candice Smith, Educator, from Anne Frank ES

Maritime Education



Catering to all age groups, these immersive programs underscore applied learning across disciplines like math, science, social studies, and language arts, as well as vital social skills. Our Maritime E-STEM initiatives range from single-day adventures for school and youth groups to extended journeys both on shipboard and through the lands adjoining the Chesapeake Bay and further.

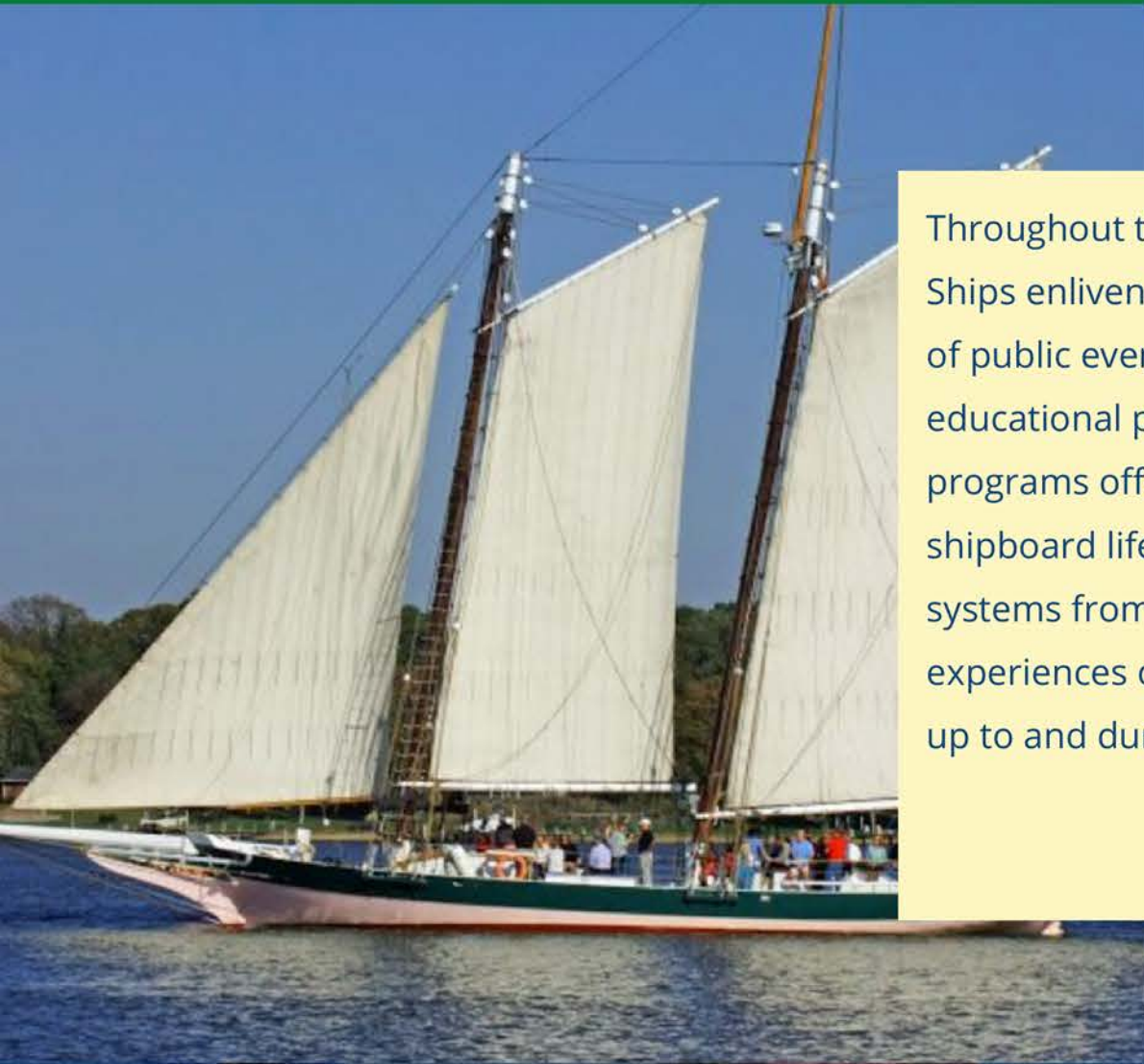
These programs not only offer academic insights but also showcase their real-world applications. Leadership and collaboration are central themes, as participants jointly hoist sails, collect marine samples, conduct scientific experiments, and delve into the trade, history, ecology, and natural bounty of the Chesapeake Bay.



"This was a really amazing experience for city kids who may never get to experience being on a boat."

- Rachel Mitchell, Educator from Cook Wissahickon ES

Immersive Education



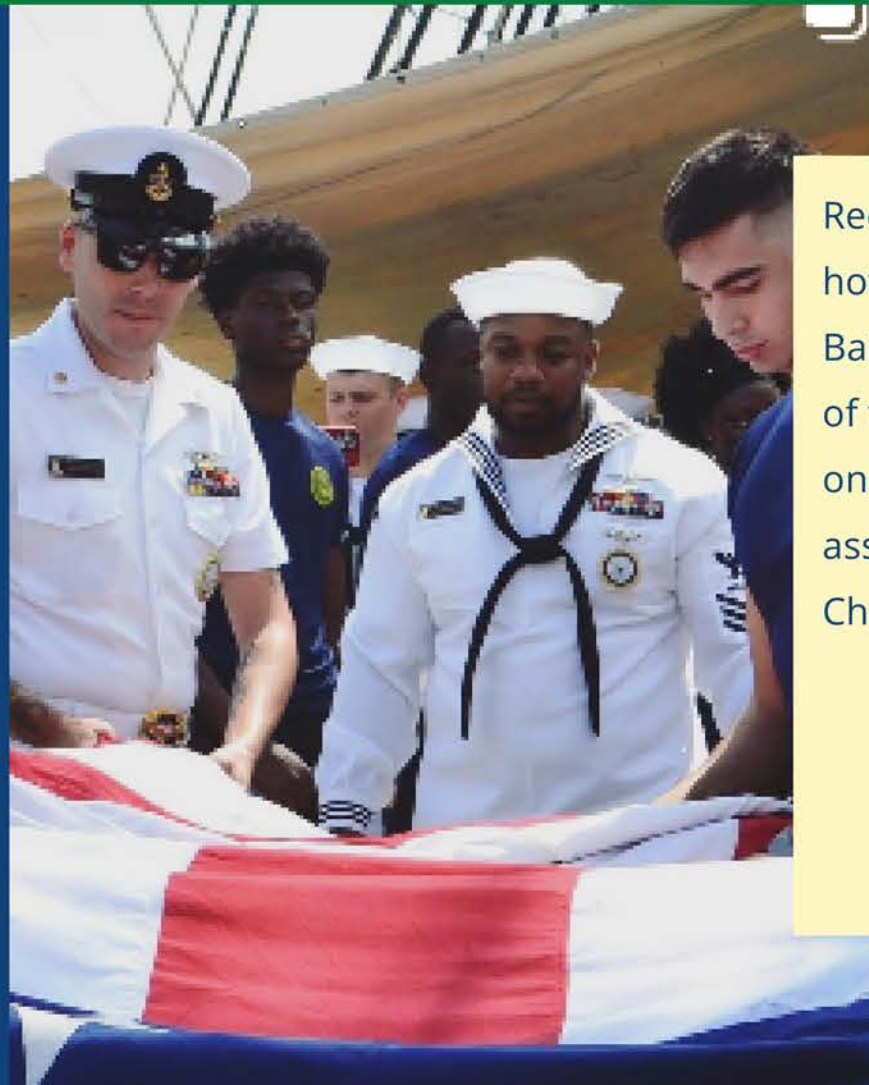
Throughout the year, the Historic Ships enliven the harbor with an array of public events and immersive educational programs. These programs offer insights into shipboard life, various propulsion systems from sail to electric, and the experiences of Black sailors leading up to and during the Civil War.

In its commitment to public service, the museum frequently serves as a backdrop for military events, including retirements, reenlistments, commissions, and promotions. Amplifying this commitment, Living Classrooms and Historic Ships in Baltimore orchestrate the biennial Maryland Fleet Week and Flyover Baltimore event.

“Another amazing sail with you all! Thank you for your energy and knowledge! Our kids learned so much, and I learn something new each time I come!”

Liana Colas, Educator from the Park School in Baltimore

Education: Our Museum



Recognized as a premier tourism hotspot, our Historic Ships in Baltimore Museum draws hundreds of thousands of visitors, showcasing one of the world's most remarkable assortments of military and Chesapeake Bay vessels.

With its vast offerings, the museum caters to a diverse audience ranging from families, naval enthusiasts, and historians to living history reenactors, students, scouts, and convention attendees, providing unparalleled learning experiences for global visitors.

Fleet Week Spotlight



Fleet Week Spotlight

Maryland Fleet Week & Flyover Baltimore: In a strategic collaboration with the US Navy, Living Classrooms teams up with the State of Maryland for this biennial maritime spectacle. Previous events have generated remarkable economic impacts, soaring up to \$19 million. The forthcoming 2024 and 2026 Fleet Week celebrations are anticipated to draw unprecedented crowds to Maryland, marking a significant post-pandemic resurgence.

Local Artisan Partnerships: Historic Ships is in the process of forging alliances with local artisans and crafters. These partnerships aim to showcase and feature their creations in the Ship's Store situated prominently on Pier 1 in the Inner Harbor.

Digital Ambassador Collaborations: We are keen on joining forces with prominent local influencers and travel aficionados, especially those with a substantial Maryland following. Such collaborations magnify our outreach, enticing a younger generation of explorers keen on unveiling the treasures of the state.



Fleet Week Spotlight

SOCIAL MEDIA - Facebook

4/22/2022 - 9/22/2022

Maryland Fleet Week and Flyover Baltimore social media efforts started in April 2022.

Total Impressions/Reach:	384,539 (↑ 6.1K%)
Page Visits:	18,479 (↑ 1.3K%)
Page Likes	10,882
New Page Likes:	1,675 (↑ 1.3K%)

SOCIAL MEDIA - Twitter

4/22/2022 - 9/22/2022

Tweets:	112
Tweet Impressions:	106,441
Profile Visits:	80,075
Mentions:	315
New Followers:	236

SOCIAL MEDIA - Instagram

4/22/2022 - 9/22/2022

Total Impressions/Reach:	14,224 (↑ 4.2K%)
Profile Visits:	6,435 (↑ 4.8K%)
Followers:	2,118
New Followers:	875 (↑ 993.8%)

SOCIAL MEDIA - TikTok

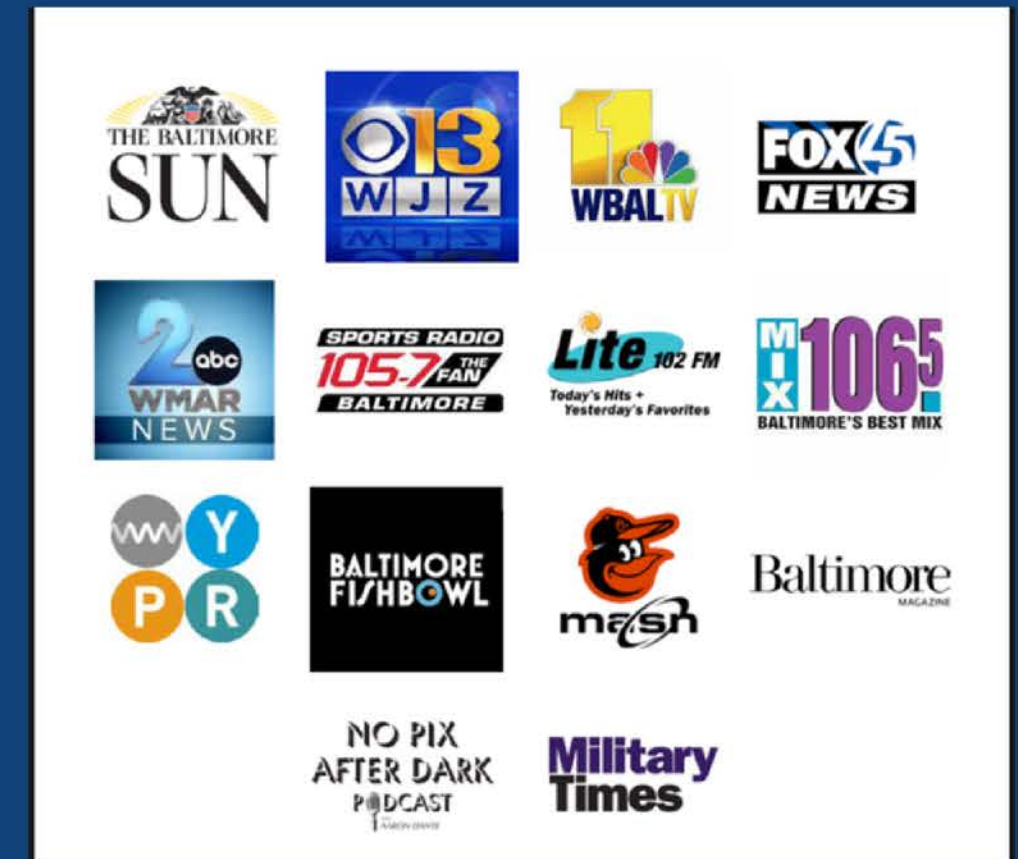
September 2022

NEW THIS YEAR! A TikTok account was created in September 2022 as another outlet to post content during the event.

Videos Posted:	30
Impressions:	4,287
Likes:	146
New Followers:	18



Traditional Media Exposure

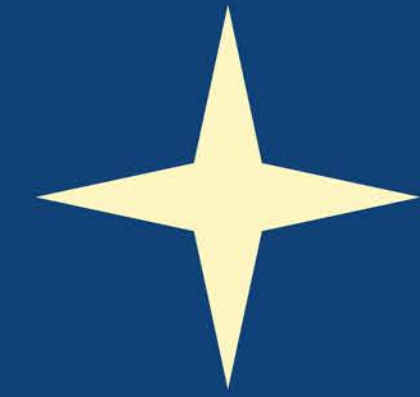


Maryland Fleet Week & Flyer Baltimore generated **1,368,308,005 total media impressions** with a publicity value of \$40,446,471

Partnering for Impact: Public & Private Entities



Partnering with Public & Private Entities



The travel industry is pivotal to the operations and flourishing success of Living Classrooms Historic Ships in Baltimore. As a premier tourist attraction in Baltimore City, it significantly benefits not just the city but the entire State of Maryland. Every event in Baltimore that is broadcast nationally showcases the images of the Historic Ships in Baltimore collection. Beyond our national and international audience, Living Classrooms remains dedicated to engaging local visitors and delivering enriching educational content to schools, scout troops, and youth groups across Maryland and beyond.

Together, we possess the power of unity and the strength of shared purpose. Let's harness this collective energy, rise above challenges, and carve a path to a brighter future! With this spirit, the team at Living Classrooms Foundation is keenly enthusiastic and looking forward to bringing on our partnership with the Maryland Department of Commerce Office of Tourism and MSDE.

Possible long-term partnership strategies include:

- **Promotional Packages:** Create special promotional packages for visitors that include Historic Ships in Baltimore. This can involve teaming up with hotels, travel agencies, or other tourism-related businesses.
- **Digital Engagement:** Living Classrooms Historic Ships are rapidly expanding our digital footprint via social media and other online channels. By showcasing our collaboration with the Maryland Department of Commerce Office of Tourism through these platforms, we must also underscore the vital role the Historic Ships in the Baltimore museum play in narrating Maryland's and the US' rich history.
- **Community Partnerships:** We're exploring innovative marketing strategies, including package deals and referral incentives, in collaboration with local restaurants, retailers, and attractions to foster mutual promotion.
- **Exclusive Tour Packages:** Historic Ships in Baltimore is primed to expand, being a premier destination offering curated tours and experiences that epitomize Maryland's essence.
- **Heritage Workshops:** Historic Ships in Baltimore is launching a series of workshops and classes deeply rooted in Maryland's history and culture. Each of our ships weaves a tale intrinsically linked to Maryland's legacy.
- **Multimedia Partnerships:** Together with the Maryland Department of Commerce Office of Tourism, Living Classrooms envisions creating compelling content—be it videos, write-ups, or podcasts—that spotlight the state's history as mirrored the our historic vessels and lighthouse.

Partnering with Public & Private Entities



Enhance Marketing: Develop a comprehensive marketing strategy to promote Historic Ships as part of Maryland's tourism offerings. Utilize social media, partnerships with travel agencies, and online platforms to reach a wider audience.



Educational Initiatives: Expand educational programs and curriculum integration with local schools to attract student groups and educational tourism.



Interactive Experiences: Continuously innovate by offering new interactive experiences and exhibits to keep visitors engaged and encourage return visits.



Collaboration with Other Attractions: Partner with Visit Baltimore and other local attractions and museums to create bundled ticket options, encouraging tourists to explore a variety of historical sites.



Accessibility and Inclusivity: Ensure that Historic Ships are accessible to people of all abilities and backgrounds, making them inclusive attractions.



Sustainability: Emphasize sustainable tourism practices to preserve the Historic Ships and the environment, aligning with modern tourism trends.

Living Classrooms Historic Ships have been instrumental:

- (1) Drawing visitors to Baltimore and Maryland
- (2) Contributing to the local economy
- (3) Cultural enrichment

To ensure their sustainability, a multifaceted approach, **partnering with public and private entities involving funding diversification, educational initiatives, and strategic marketing, is essential for our continued success** in Maryland's tourism efforts.

Partnering for Impact: Annual Costs, Revenue & Funding Needs



Partnering for Impact



Each year, Living Classrooms Historic Ships attract hundreds of thousands of visitors and students, who, through hands-on experiential programs, delve into interpretive history. These ships form a significant part of the 26 million visitors who flock to Maryland and Baltimore City annually. Drawing in approximately \$1.1 million from ticket and store sales, the historic vessels play a crucial role in the over \$3 billion windfall of tourists bring to the state and city economies.

The 2022 Visit Baltimore Annual Report highlights that, on average, a visitor spends **\$1,385 during their stay in Baltimore City**. For over **80,000 of these visitors**, the primary draw to Baltimore is the Living Classrooms' Historic Ships in Baltimore Museum. Further enriching the maritime tapestry, Living Classrooms also leads the biennial Maryland Fleet Week & Flyover Baltimore event, with our vessels playing a pivotal role. The forthcoming Fleet Week 2024 and the America 250 Celebration in 2026 are anticipated to be major economic drivers. To note, **Fleet Week 2022 alone infused \$7.8 million** into the economy and garnered a staggering **1.36 billion media impressions**.

Furthermore, our cohesive educational programs **benefit over 8,000 students each year**. Between the allure of Fleet Week, annual ship visitations, and the maritime educational offerings for local students, these vessels make a substantial contribution to the economic pulse of both Baltimore City and the State of Maryland.

Beyond the operational funding and event sponsorships previously mentioned, Living Classrooms is actively pursuing diverse and sustainable revenue streams to underpin our operations and educational initiatives. These avenues encompass board member contributions, personal donations, our annual fall fundraising campaigns, and generous contributions from members.

While ticket sales remain a staple, Living Classrooms must also secure over \$5.1M annually, leveraging a blend of private and public financial support to preserve the fleet. Previous private benefactors include esteemed entities such as Exelon, Sternberger Foundation, Galanthus Foundation, France-Merrick Foundation, M&T Bank Charitable Foundation, Earle and Annette Shawe Family Foundation, Enterprise Holdings Foundation, and Tobacco Barn Distillery. We are grateful for the current FY24 budget allocation from the State as well as Baltimore City's support which covers the Ships' hull insurance and dockage fees, which equates to approximately \$350,000 in-kind contribution. We've also received backing from the State of Maryland, the US Department of Transportation, the National Park Service, the Maryland Historical Trust, the Maryland Heritage Areas Authority, and the Baltimore National Heritage Area.

Living Classrooms Seven Historic Ships

Impact on the State of Maryland

The impact of Living Classrooms Historic Ships has drawn history enthusiasts, students, and families to the Inner Harbor. These Ships' are living artifacts that provide a tangible connection to our nation's maritime history, making them attractive attractions for both tourists and locals. Here are some key points regarding their impact:

Impact

- **Visitor Numbers:** Living Classrooms historic ships have contributed significantly to the growth in tourism in Baltimore and Maryland. The presence of well-preserved ships like the USS *Constellation*, US Coast Guard Cutter WHEC-37, USS *Torsk*, Lightship 116 *Chesapeake*, Skipjack *Sigsbee*, Buy Boat *Mildred Belle*, and Schooner *Lady Maryland*, along with the family-friendly Chessie Paddle Boats and Pirate Electric Boats, have drawn history enthusiasts, students, and families, resulting in increased visitor numbers to Baltimore and the State of Maryland. All seven Historic Ships serve as educational tools, offering insights into maritime history, naval operations, and life aboard these vessels. This enhances the cultural experience of visitors and fosters an appreciation for our maritime heritage.
- **Economic Impact:** The presence of Living Classrooms Historic Ships not only attracts visitors but also encourages them to spend more time and money in the region. Visitors often explore other local attractions, dine at nearby restaurants, and stay in local accommodations, thus boosting the local economy. *A 2022 Visit Baltimore Annual Report found that Baltimore visitors spent an average of \$1,385 per person.



229,275

Avg. # of visitors and students
(5 Year Average)



\$306,396,625

*Total Economic Impact

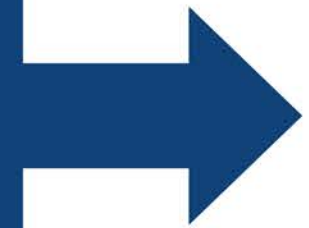
Average Annual Costs



Maintenance and Preservation: Ensuring the ships' structural integrity and historical accuracy requires ongoing maintenance and preservation efforts. Funding is needed for annual Capital Repairs and Maintenance. Please see the 15-year projection in Appendix A.

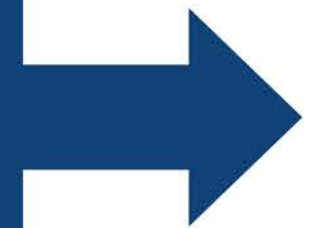


Operations & Education Programs



\$3,430,886

Average Annual Capital/Maintenance Cost



\$1,745,500

Operations & Education Programs

\$5,176,386

Total

Current Annual Revenue



Funding Needs

Living Classrooms humbly seeks the State's annual support of 3.4M annually in order to adequately cover the Capital, Maintenance, Operations, and Education Program costs for the 7 Historic Ships.

The State's support stands as a pivotal cornerstone for the future success of the Historic Ships.

Historic Ships Funding Strategy: Emulating the successful blueprint of the Pride of Baltimore, Living Classrooms is advocating for a five-year legislative endorsement.

\$3.4M
Annually



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*Thank
You*



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APPENDIX

Appendix A

Living Classrooms Foundation's Seven Historic Ships

Major Capital and Maintenance Costs - USS *Constellation* , USS *Torsk* , USCGC CGC-37, Lightship 116 *Chesapeake* , Schooner *Lady Maryland* , Skipjack *Sigsbee* , Buy Boat *Mildred Belle*

<u>Annual Maintenance Costs</u>	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
Maintenance and Restoration Director	\$75,000	\$77,250	\$79,568	\$81,955	\$84,413	\$86,946	\$89,554	\$92,241	\$95,008	\$97,858	\$100,794	\$103,818	\$106,932	\$110,140	\$113,444
Director of Fleet Operations	\$70,000	\$72,100	\$74,263	\$76,491	\$78,786	\$81,149	\$83,584	\$86,091	\$88,674	\$91,334	\$94,074	\$96,896	\$99,803	\$102,797	\$105,881
Constellation Maintenance Staff (5)	\$274,500	\$282,735	\$291,217	\$299,954	\$308,952	\$318,221	\$327,767	\$337,600	\$347,728	\$358,160	\$368,905	\$379,972	\$391,371	\$403,113	\$415,206
Torsk and Chesapeake Maintenance Staff (2)	\$100,000	\$103,000	\$106,090	\$109,273	\$112,551	\$115,927	\$119,405	\$122,987	\$126,677	\$130,477	\$134,392	\$138,423	\$142,576	\$146,853	\$151,259
CGC-37 Maintenance Staff (3)	\$147,000	\$151,410	\$155,952	\$160,631	\$165,450	\$170,413	\$175,526	\$180,791	\$186,215	\$191,802	\$197,556	\$203,482	\$209,587	\$215,874	\$222,351
Lady Maryland Winter Maintenance Crew (6)	\$53,564	\$55,171	\$56,826	\$58,531	\$60,287	\$62,095	\$63,958	\$65,877	\$67,853	\$69,889	\$71,986	\$74,145	\$76,369	\$78,661	\$81,020
Sigsbee Winter Maintenance Crew (4)	\$37,513	\$38,638	\$39,798	\$40,991	\$42,221	\$43,488	\$44,792	\$46,136	\$47,520	\$48,946	\$50,414	\$51,927	\$53,485	\$55,089	\$56,742
Mildred Belle Winter Maintenance Crew (3)	\$43,429	\$44,732	\$46,074	\$47,456	\$48,880	\$50,346	\$51,856	\$53,412	\$55,015	\$56,665	\$58,365	\$60,116	\$61,919	\$63,777	\$65,690
Fringe at 30%	\$240,302	\$247,511	\$254,936	\$262,584	\$270,462	\$278,576	\$286,933	\$295,541	\$304,407	\$313,539	\$322,946	\$332,634	\$342,613	\$352,891	\$363,478
Total Staff Costs	\$1,041,308	\$1,072,547	\$1,104,723	\$1,137,865	\$1,172,001	\$1,207,161	\$1,243,376	\$1,280,677	\$1,319,098	\$1,358,670	\$1,399,431	\$1,441,414	\$1,484,656	\$1,529,196	\$1,575,071
Annual Maintenance Material Costs	\$164,000	\$172,200	\$180,810	\$189,851	\$199,343	\$209,310	\$219,776	\$230,764	\$242,303	\$254,418	\$267,139	\$280,496	\$294,520	\$309,246	\$324,709
Insurance	\$425,000	\$433,500	\$442,170	\$451,013	\$460,034	\$469,234	\$478,619	\$488,191	\$497,955	\$507,914	\$518,073	\$528,434	\$539,003	\$549,783	\$560,778
Administrative Support @ 18%	\$293,455	\$224,054	\$231,396	\$238,989	\$246,842	\$254,965	\$263,367	\$272,060	\$281,052	\$290,356	\$299,982	\$309,944	\$320,252	\$330,920	\$341,960
Subtotal Maintenance Costs	\$1,923,763	\$1,902,302	\$1,959,099	\$2,017,718	\$2,078,220	\$2,140,670	\$2,205,138	\$2,271,693	\$2,340,408	\$2,411,359	\$2,484,624	\$2,560,287	\$2,638,431	\$2,719,144	\$2,802,519
<u>Major Capital Costs</u>															
Constellation Dry Docking and Rigging (5 yr cycle)					\$3,354,000				\$4,024,800						\$4,829,760
Constellation Spar Deck Caulking (10 yr cycle)	\$63,532												\$78,779		
Constellation Underwater Hull Caulking (10 yr cycle)									\$140,000						
Constellation Exterior Hull Painting (one side every 3 yr)		\$42,449			\$50,939			\$61,126			\$73,352			\$88,022	
Constellation Awnings and Covers Replace (5 yr cycle)	\$60,375					\$72,450					\$86,940				
CGC-37 Dry Docking (15 Yr Cycle)													\$1,000,000		
CGC-37 Exterior Hull Painting (10 Yr Cycle)	\$150,000										\$195,000				
CG37 Water Intrusion - Upper Deck Plating Replacement	\$ 50,000														
Torsk Dry Docking (15 Yr Cycle)				\$1,000,000											
Torsk Exterior Hull Painting (10 Yr Cycle)			\$69,000										\$79,350		
Torsk "Sail" Preservation	\$ 50,000														
Chesapeake Dry Docking (15 Yr Cycle)		\$345,000													
Chesapeake Exterior Hull Painting (10 Yr Cycle)			\$57,500											\$71,300	
CGC-37, Torsk, Chesapeake HVAC Replacement - Heat Pump Installation	\$100,000														
CG37, Torsk, Chesapeake Fire Detection and High Water Alarm Systems	\$ 50,000														
Steel Ship Fleet Zinc Anode Replacement (4 Yr Cycle)				\$46,000				\$55,200				\$66,240			
Lady Maryland Mainsail			\$18,040											\$21,991	
Lady Maryland Foresail				\$16,560											\$19,792
Lady Maryland Jib			\$10,400											\$12,682	
Lady Maryland Mainmast Replacement						\$33,000									
Sigsbee Mainsail	\$14,000										\$17,066				
Sigsbee Jib				\$8,660											\$10,556
Repower Sigsbee												\$44,000			
Mildred Belle Stem Replacement		\$9,500													
Mildred Belle Deck Replacement			\$100,000												
Lady Maryland Standing Rigging Overhaul								\$19,000							
Sigsbee Standing Rigging Overhaul												\$10,500			
Repower Mildred Belle									\$60,000						
Annual Drydocking of the Sailing Fleet	\$7,000	\$7,140	\$7,282	\$7,428	\$7,577	\$7,728	\$7,883	\$8,041	\$8,202	\$8,366	\$8,533	\$8,704	\$8,878	\$9,055	\$9,236
Railway Stantion Repair	\$30,000														
Railway Re-coating		\$20,000													
Subtotal Capital Costs	\$574,907	\$424,089	\$262,222	\$1,078,648	\$3,412,516	\$113,178	\$7,883	\$143,367	\$68,202	\$4,173,166	\$380,891	\$129,444	\$1,272,980	\$127,425	\$4,838,996
Total Annual Costs	\$2,498,670	\$2,326,390	\$2,221,321	\$3,096,366	\$5,490,735	\$2,253,848	\$2,213,021	\$2,415,060	\$2,408,610	\$6,584,525	\$2,865,515	\$2,689,731	\$3,911,411	\$2,846,569	\$7,641,515

Average Annual Cost Over 15 Year Period

\$3,430,886

Quotes from Educators across Maryland:

- “Excellent experience “the crab part and the fish part were my favorite” is a quote from a student. Doing real science on this field trip really supplements STEM experiments in the classroom.”
 - Daniel Wasse from the Village Learning Place
- “This was a great overall interactive and engaging experience, a great way to teach outside of the classroom and for the students to have some lasting and enduring information.”
 - Robin Lewis from the Booker T. Washington Middle School for the Arts
- “Another amazing sail with you all! Thank you for your energy and knowledge! Our kids learned so much, and I learn something new each time I come!”
 - Liana Colas from the Park School in Baltimore
- “This was a really amazing experience for city kids who may never get to experience being on a boat.”
 - Rachel Mitchell from Cook Wissahickon ES
- “This type of program is amazing. Hands-on constructive learning and novel experiences are crucial core memories for children. More importantly, this program opens children's minds to biology, ecological science, and STEM. There is so much to follow up on after this trip, and the students are now deeply invested.”
 - David Sullivan from Farrell Elementary School
- “Every year I am thoroughly impressed with how the crew instructs and interacts with my students. They are so well prepared and ensure that the safety and learning of the students is addressed. My students and parents continue to tell me throughout the school year that this was the best trip they have ever been on. In their yearbooks, many of them list this trip as the highlight of their elementary school experience. Thank you for allowing us to come aboard!”
 - Candice Smith from Anne Frank ES

