



PILOT Community Benefits Report June 30, 2020

The Museum of Science, Boston, one of the world's largest science centers and New England's most highly attended cultural institution, plays a leading role in transforming the nation's relationship with science, technology, engineering, and mathematics (STEM). We accomplish this by promoting active citizenship informed by the world of science and technology; inspiring lifelong appreciation of the importance and impact of science and engineering; and encouraging young people of all backgrounds to explore and develop their interests in understanding the natural and human-made world.

The Museum introduces over 1.4 million visitors a year to STEM via dynamic programs and hundreds of interactive exhibits. Our goal is to remove financial and identity barriers to access to STEM, create world-class STEM experiences, and create bridges to the STEM community. Strong connections with community organizations and leaders allow the Museum to make its resources broadly available. The Museum remains steadfast in its commitment to providing informal STEM education for diverse audiences including people with disabilities, inner-city youth, girls and women, and ethnic and racial minorities.

The following Museum of Science programs provide direct benefits to the city of Boston and its residents. **In 2019, they had a value of \$1,546,477 and served 71,430 Boston residents.**

- **Community Access Program**
 - Nonprofit community-based organizations in Boston gain free admission to the Museum
 - **Value: \$208,226**
 - **Served: 8,755 Boston residents** (1,780 adults; 2,949 children; 3,436 students; 404 teachers; and 186 chaperones)
- **EBT/WIC Admission Program**
 - Free admission for Boston residents with EBT/WIC for up to four people
 - **Value: \$592,825**
 - **Served: 23,713 Boston residents**
- **Wonderfund Admission Program**
 - Free admission for every foster care family in Boston
 - **Value: \$3,625**
 - **Served: 154 Boston residents** (77 adults, 57 children, 19 children under 3 years, and 1 senior)
- **Countdown to Kindergarten Program**
 - Free exhibit hall passes for new BPS Kindergarten students
 - **Value: \$1,920**
 - **Served: 96 new BPS Kindergarten students and parents**
- **Boston Library Admissions Program**
 - Free admission with library passes available at local BPL branches
 - **Value: \$319,904**
 - **Served: 12,304 Boston residents**

- **Reduced School Admission Program** (January, September, and October)
 - Reduced field trip admission from \$10 to \$5 for communities with >35% free or reduced lunch
 - **Value: \$79,290**
 - **Served: 5,286 Boston students and educators**
- **Reduced School Admission Program** (months other than January, September, and October)
 - Reduced field trip admission (school group discount vs. regular admission)
 - **Value: \$106,560**
 - **Served: 10,656 Boston students and educators**
- **Eye Opener Program**
 - BPS 2nd graders visit the Museum and Butterfly Garden, and receive instruction and a snack; bus transportation provided
 - **Value: \$68,818**
 - **Served: 2,672 Boston students, 274 teachers, and 809 family member visitors**
- **High School Science Series Program**
 - Engages a diverse group of high school students and teachers with practicing scientists, science and technology experts, graduate students, and peers in the contextual applications of classroom learning
 - **Value: \$4,664**
 - **Served: 565 Boston high school students and 50 teachers**
- **Fenway High School Program**
 - 10th graders from Fenway High School and their teachers come to the Museum every Tuesday during the school year to mentor 2nd grade students and have their classes in the Museum
 - **Value: \$11,687**
 - **Served: 400 Boston students and 3 teachers**
- **Buddies Exploring Science Together (BEST) Program**
 - Accessibility initiative for students with Autism Spectrum Disorder in Boston schools
 - **Value: \$19,419**
 - **Served: 83 Boston students and 48 teachers**
- **Duck ‘n Hover Program**
 - Live, day-long engineering design challenge free to participants and chaperones, including admission to the Exhibit Halls, lunch, t-shirts, and prizes; chaperones attend an Omni or Planetarium show for free while their students build
 - **Value: \$170**
 - **Served: 5 Boston students plus chaperones**
- **Traveling Programs**
 - Live outreach programming, including family programs at BPL branches; school programs at Boston public and private schools; participation at community fairs and festivals; after school workshops at Boys & Girls Clubs of Boston; preschool programs; and others
 - **Value: \$25,530**
 - **Served: 3,452 Boston residents**

- **Overnights Program**
 - Boston students in grades 1-7 spend the night in the Museum with special programming allowing them to discover science in an engaging, educational, and interactive way
 - **Value: \$28,460**
 - **Served: 1,372 Boston students in grades 1-7**
- **Summer Courses Program**
 - Boston students entering grades 1-8 choose from a variety of hands-on, week-long STEM courses
 - **Value: \$3,000**
 - **Served: 10 Boston students**
- **Summer Youth Interns/MLK Scholars Program**
 - Boston student interns work at the Museum of Science during July and August an average of 21 hours a week
 - **Value: \$18,250**
 - **Served: 10 high school students who are residents of Boston**
- **Pre-Service Teachers Professional Development Program**
 - Training for Boston teachers and student teachers
 - **Value: \$29,454**
 - **Served: 176 students in Boston-based universities**
- **Teacher Enrichment Professional Development Program**
 - Professional development for Boston teachers that includes workshops and sabbaticals
 - **Value: \$11,045**
 - **Served: 66 Boston teachers**
- **Teacher Partner Program**
 - Free Exhibit Hall admission for Boston teacher partners
 - **Value: \$13,630**
 - **Served: 470 Boston teachers**

There are programs that the Museum of Science is unable to calculate the number of Boston residents directly impacted or the direct dollar value of the benefit to the city of Boston. These include:

- **Women & Girls in STEM Programming** empowers all women and girls, regardless of background, race, or socio-economic status, to see themselves as STEM learners and professionals. Program goals include increasing girls' interest in STEM, helping students connect with female STEM professionals, and providing women with practical tools and strategies to advance their professional goals. Programs include *Student and Family Education Days* where visitors have the opportunity to interact with female scientists and engineers paired with Museum educators at hands-on educational activities throughout the Museum's Exhibit Halls, and *Mentoring Night* where college students network with female STEM professionals.
- **Forum** programs engage participants in deliberative, inclusive conversations about issues that lie at the intersection of science and society. These programs allow Museum visitors, scientists, and policymakers to share their perspectives and learn from one another. The Museum of Science has developed and hosted over 100 Forum programs on a wide variety of topics.
- **Community Initiatives** is a new program where we seek to leverage the Museum's leadership in the community to bring a wide variety of voices together to work on common and complex issues affecting our society. The Museum of Science's role is to foster these relationships, develop new ones, and create innovating programs to further their missions. One of those programs is *Community Conversations*, where the purpose is to bring community groups

together who are working on a common and complex societal issue to share their ideas and best practices with as many people as possible. The Museum has developed and convened successful Community Conversation series around substance use and recovery, vaping, and COVID-19.

- **SubSpace** redefines adult experiences at the Museum of Science exploring an unprecedented fusion of art, social science, and the future of the human experience. Art, science, and technology collide, creating a new wave of nightlife that is intelligent, provocative, and one-of-a-kind. From musical tributes in the Charles Hayden Planetarium to performance art installations, SubSpace is an ever-evolving lab for Boston's most intriguing and immersive experiences.
- **Astronomy After Hours** offers our starry-eyed public free evenings full of astronomy-themed fun. On Friday nights from April to October, the Astronomy After Hours team hosts a variety of hands-on astronomy and space science activities. When weather allows, the Museum has small telescopes available for a hands-on experience, and visitors have the opportunity to view the evening's featured astronomical objects through the museum's 6" and 12" Schmidt-Cassegrain telescopes.
- **Free Film Fridays** invite visitors to experience the magic of New England's only IMAX® dome theater for free. This complimentary program runs on Fridays in March and make breathtaking and educational films more accessible to Museum visitors.
- **Public Events** put the power of discovery in Museum visitors' hands and include Themed Weekends and Special Programs. Whether it is our Book Club for the Curious, computer science, nanotechnology, or butterflies and caterpillars, kids and adults always find something to inspire them.
- **Universal Design (UD)** is an approach that helps the Museum to meet the challenge of being inclusive to people with disabilities by developing and designing exhibitions and programs that are inclusive of, and provide access for, the wide range of visitors by promoting choice. These include ASL Interpretation, CART reporting, Assistive Listening Systems, EH Audio Labeling, Narrative Description of the Building Layout, Mobility, Omni interpretation, and Planetarium interpretation.

The programs listed above demonstrate the community effect and benefit that the Museum of Science provides to the city of Boston and its citizens.

COMMUNITY BENEFITS RECAP

Please note that the deadline for Community Benefits is April 1, 2020. There are also two additional data points we would like to collect this year (see footnotes for more info).

Once completed, please rename the document to reflect the name of your organization. Email an excel and PDF version to sharon.butler-charles@boston.gov.

INSTITUTION NAME: Museum of Science

FINANCIAL YEAR: 2020

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Program Name	Brief Program Description	Amount (\$)	Cash, In-Kind, or Both ¹	1-time or Ongoing ²	Who is Served ³	Program Initiator ⁴	City-wide or Neighborhoods Served ⁵	Community Benefit Category ⁶	Partners
Community Access Program	Nonprofit community-based organizations free admission program	\$208,226	In-Kind	Ongoing	8,755 Boston residents (1,780 Adults, 2,949 Children, 3,436 Students, 404 Teachers, and 186 Chaperones)	Museum of Science	City-wide	Education	community based organizations (CBOs) in Boston
EBT/WIC Admission	Free admission for Boston residents with EBT/WIC for up to 4 people	\$592,825	In-Kind	Ongoing	23,713 Boston residents	DTA, WIC, CBOs	City-wide	Education	DTA, WIC, COBs
Wonderfund Admission	Free admission for every foster care family in Boston	\$3,625	In-Kind	Ongoing	154 Boston residents (77 adults, 57 children, 19 under 3 yo, 1 senior)	DCF, Wonderfund	City-wide	Education	Mass Department of Children and Families, Wonderfund of Massachusetts
Countdown to Kindergarten	Free exhibit passes for new BPS Kindergarten students	\$1,920	In-Kind	Ongoing	96 new BPS kindergarten students and parents	C2K	City-wide	Education	C2K
Boston Library Admissions	Free Museum admissions with library passes available at local BPL branches	\$319,904	In-Kind	Ongoing	12,304 Boston residents	Museum of Science and Boston Public Library	City-wide	Education	Boston Public Library
Reduced School Admission during January, September, and October	Reduced field trip admission from \$10 to \$5 for communities with >35% free or reduced lunch	\$79,290	In-Kind	Ongoing	5,286 Boston students and educators	Museum of Science	City-Wide	Education	Boston Public Schools
Reduced School Admission during months other than January, September, and October	Reduced field trip admission (school group discount vs.regular admission)	\$106,560	In-Kind	Ongoing	10,656 Boston students and educators	Museum of Science	City-Wide	Education	Boston Public Schools
Eye-Opener	BPS 2nd graders visit Museum and Butterfly Garden. Receive instruction and snack. Bus transportation provided.	\$68,818	Both	Ongoing	2,672 Boston students, 274 teachers, and 809 family member visitors	Museum of Science	City-wide	Education	Boston Public Schools
High School Science Series	Engages a diverse group of high school students and teachers with practicing scientists, science and technology experts, graduate students, and peers in the contextual applications of classroom learning	\$4,664	In-Kind	Ongoing	565 Boston high school students and 50 teachers	Museum of Science	City-wide	Education	Boston Public Schools

Fenway High School	10th graders and their teachers come to the Museum every Tuesday to mentor 2nd grade students and have their classes at the Museum	\$11,687	In-Kind	Ongoing	400 Boston students and 3 teachers	Museum of Science	City-wide	Education	Fenway High School
Buddies Exploring Science Together (BEST)	Accessibility initiative for students with Autism Spectrum Disorder in Boston schools	\$19,419	In-Kind	Ongoing	83 Boston students and 48 teachers	Museum of Science	Allston, Jamaica Plain and Roxbury	Education	Boston Public Schools and Boston University Sargent School OT Program
Duck n Hover	Live, day-long engineering design challenge free to participants and chaperones, including admission to the Exhibit Halls, lunch, t-shirts, and prizes. Chaperones attend an Omni or Planetarium show for free while their students build.	\$170	In-Kind	One Time	5 Boston students plus chaperones	Museum of Science	City-wide	Education	Boston College High School, British International School of Boston, Excel Academy Charter High School, Saint Joseph High School
Traveling Programs	Live outreach programming, including family programs at BPL branches; school programs at Boston public and private schools; participation at community fairs and festivals; after school workshops at Boys & Girls Clubs of Boston; preschool programs; and others	\$25,530	In-Kind	Ongoing	3,453 Boston residents	Community-Based Organizations, Boston Public Library, Boston Public Schools, or Museum of Science	City-wide	Education	Boston Public Library, Boys & Girls Clubs of Boston, Boston Public Schools
Overnights	Boston students in grades 1-7 spend the night in the Museum with special programming allowing them to discover science in an engaging, educational, and interactive way	\$28,460	In-Kind	One Time	1,372 Boston students in grades 1-7	Museum of Science and CBOs in Boston	City-wide	Education	Community-based organizations (CBOs) in Boston
Summer Courses	Boston students entering grades 1-8 choose from a variety of hands-on, week-long STEM courses	\$3,000	In-Kind	One Time	10 Boston students	Museum of Science	City-wide	Education	
Summer Youth Interns, MLK Scholars	Boston student interns work at the Museum during July and August an average of 21 hours/week	\$18,250	Cash	Ongoing	10 high school students who are residents of Boston	Museum of Science and John Hancock	BackBay, Roxbury, Dorchester, South Boston, Roslindale, and Allston	Employment	John Hancock
Pre-Service Teachers Professional Development	Training for Boston teachers and student teachers	\$29,454	Cash	Ongoing	176 students in Boston-based universities	Museum of Science	City-wide	Education	Boston Institutions of Higher Education
Teacher Enrichment Professional Development	Professional development for Boston teachers that includes workshops and sabbaticals	\$11,045	Cash	Ongoing	66 Boston teachers	Museum of Science	City-wide	Education	Boston Public Schools Science Department
Teacher Partner Program	Free Exhibit Hall admission for Boston teacher partners	\$13,630	In-Kind	Ongoing	470 Boston teachers	Museum of Science	City-wide	Education	Boston Public Schools
		\$1,546,477			71,430				