

Harvard Allston Public Realm Flexible Fund

Applicant Information

1. Name of entity(ies) applying for funding and name of project.

Entity: Horace Mann School for the Deaf & Hard of Hearing
Project: The HMS/Allston/Brighton Creative Learning Common's STEM Community Makerspace

2. Primary contact person name, phone number, e-mail.

Contact: Jeremiah Ford, Headmaster, Horace Mann School for the Deaf
617-635-8534
jford@bostonpublicschools.org

3. Key personnel involved in the project.

Others: Charlotte Corbett, Technical & Transitional Services Department

4. Any partner organizations/property owners to be involved in project.

Boston Center for Youth & Families Jackson Mann Community Center
DEAF, Inc., Brighton Avenue, Allston
Action for Boston Community Development

5. If applicant is a non-profit organization, provide qualifications and prior history of executing similar projects.

The Horace Mann School for the Deaf & Hard of Hearing has a history of executing grant programs. Below is a partial list of grants received in the past are as follows.

Verizon Long Distance Learning Grant
US Forest Service Partnership
Machine Science Grants Partnership
National Science Teacher's Association
Toyota Tapestry Grant
Allston-Brighton Boston College Community Funds
Peoples Saving Bank Foundation

Project Information

1. Briefly describe the proposed project. Include a description of the site with a map and identify all property owners. If the applicant is not the sole property owner, please include letters of support from property owner(s).

This project will enhance the Creative Learning Commons of the Horace Mann School for the Deaf & Hard of Hearing, by expanding services for the greater Allston/Brighton community through evening and weekend hours. The Creative Learning Common is a makerspace - a place that provides hands-on, creative ways to encourage people to design, experiment, build and invent, as they deeply engage in science, technology, engineering, math and tinkering. The Creative Learning Commons will open their doors to the public so that more people can learn about 21st century tools, personal edification, and recreation. Included in this space are computers, electronic kits, 3D printers, sewing machines, cardboard fabrication, robotics, and other tools. By opening our doors weekly and one weekend a month we hope to capture the hearts and imagination of the Allston/Brighton community.

2. Describe public benefits of the project with reference to review criteria.

The Creative Learning Commons public makerspace is an ongoing project. It benefits the public through the promotion of community collaboration of working individually and collectively on mostly electronic-based projects. Allston/Brighton is next door to Cambridge, home of Harvard and MIT. Yet Allston/Brighton has few opportunities to participate in the STEM wealth that our neighbors have. Having access to a makerspace contributes to both civic and cultural growth by allowing people in Allston/Brighton create, innovate, and demonstrate their abilities to foster economic growth. Public engagement beyond the four walls of the Creative Commons will be through the Allston/Brighton Mini Maker Faire.

The Allston/Brighton Mini Maker Faire, the first, held in Spring 2017, will be an annual showcase of people showcasing their talents. At these community-based fairs, people come with puppets, robots, models, puzzles, shows, and even games. Many call the Faire, the Greatest Show (& Tell) on Earth. Maker Faire is part science fair, part county fair, and part something entirely new! As a celebration of the Maker Movement, it's a family-friendly showcase of invention, creativity, and resourcefulness. Faire gathers together tech enthusiasts, crafters, educators, tinkerers, food artisans, hobbyists, engineers, science clubs, artists, students, and commercial exhibitors. Makers come to show their creations and share their learnings. Attendees flock to Maker Faire to glimpse the future and find the inspiration to become Makers themselves.

Partnership for this project will be through the Jackson Mann Boston Center for Youth & Families and DEAF, Inc., also located in Allston. Tapping into word of mouth and BCYF/JMCC networks we will garner the interest of the community and create opportunities for making. Additional external funds are being sought for evening and weekend staffing access.

3. Explain why HAPRFF funding is required.

HAPRFF funding is necessary so that we can purchase greater quantities of supplies and supplement existing equipment for the larger community. Additionally, these funds will support the first annual Mini Maker Faire in Allston/Brighton, held on the grounds of the school, community center, and Ringer Park.

4. Explain if this project/funding would be part of a larger phased project, and if HAPRFF funding would be sought for future phases.

Yes, this project/funding is part of a larger phased project. Additional grants have been awarded and other grants have been submitted. HAPRFF funding is necessary for the first year, then subsequent years funding would be focused on advertising and the Allston/Brighton Mini Maker Faire.

5. Timeline (start date, end date, milestones).

Funds Received	Summer 2016
Equipment Set Up	September 2016
Advertising	September 2016
Doors Open	October 2016
Mini Makers Faire	Spring 2017
Summer Break	June 2017
Doors Open	October 2017

6. Project maintenance requirements, protocols, and sources of funding.

Project maintenance will be part of the internal maintenance routine and requirements of the school and closely follow protocols already in place for the BCYF/Jackson Mann Community Center and Boston Public Schools. These are considered in-kind contributions.

7. Anticipated project sustainability/life span

After the acquisition of equipment and supplies, ongoing support will be necessary for supplies to be obtained through grants, donations, and other contributions. The curriculum and laboratory space will continue as part of our School to Career and College Prep Program.

8. Anticipated regulatory review and necessary permits

Permits granted by Boston Public Schools and the City of Boston for the temporary use of Ringer Park for the Allston/Brighton Mini Maker Faire.

Materials

1. Budget, including anticipated total cost and percentage to be funded by the HAPRFF.

See attached for itemized budget.

Requested from HAPRFF	\$76,350
In kind Contribution or Other Funding	\$126,932
Percentage Funded by HAPRFF	38%

2. Other funding sources, if applicable, and amount and status (e.g. funds granted, requested, date when status will be known).

Description	Submitted	Awarded	Amount
New Matter Grant	November 2015	April 2016	Three 3D printers
Voya Unsung Heros	April 2016	Summer 2016	\$2,000 - \$25,000
CTE Dept. of Ed.	May 2016	Summer 2016	\$20,000 + equipment

3. Images, renderings, and other relevant information.

4. Letters of Support

BCYF/Jackson Mann Community Center

HAPRFF Budget 2016 - 2017 - HMS Creative Learning Common's STEM Community Makerspace

Funds Requested from HAPRFF

Budget Items by Category			\$76,350
Supplies			\$4,020
Equipment			\$62,700
Furniture			\$9,630
Installation			\$5,000

Breakdown by Categories

Supplies **\$4,020**

Glue gun & Glue	4	\$40	\$160
Needle & Thread Kits	4	\$40	\$160
Digital Calipers	4	\$25	\$100
Printing Filament & Plates	12	\$300	\$3,600

Equipment **\$62,700**

EV3 Mindstorm Robot Kits	2	\$350	\$700
3D Scanner	1	\$2,000	\$2,000
MakerBot II Printer	1	\$2,000	\$2,000
Chromebook Cart	1	\$3,500	\$3,500
HDMI TV Mounted	1	\$500	\$500
3D Laser Printer	1	\$5,000	\$5,000
SmartBoards	3	\$5,000	\$15,000
SmartTables	2	\$7,000	\$14,000
iPad w/ Deaf Config	25	\$800	\$20,000

Furniture **\$9,630**

Tables w/locking wheels	22	\$250	\$5,500
Shelving for storage	1	\$280	\$280
Office Chairs	15	\$150	\$2,250
Meeting chairs	4	\$400	\$1,600

Installation **\$5,000**

Allston/Brighton Crews	100	\$50	\$5,000
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HAPRFF Budget 2016 - 2017 - HMS Creative Learning Common's STEM Community Makerspace

In Kind Contributions

In-Kind Contributions - Not covered by HAPRFF			\$126,932
Salaries	after hours coverage of the spac		\$13,860
Facilities			\$72,000
Equipment			\$5,450
Experience			\$35,622
Salaries - Not covered by HAPRFF			\$13,860
Technician	\$18/hour x 30 hours/month x 9 months		\$4,860
Teacher	\$50/hour x 20 hours/month x 9 months		\$9,000
Facilities Contribution - Not covered by HAPRFF			\$72,000
Space			\$60,000
Maintenance			\$12,000
Equipment - Not covered by HAPRFF			\$5,450
Laser Printer	1	\$450	\$450
MOD-t 3D Printer	3	\$500	\$1,500
Chromebook cart of 30	1	\$3,500	\$3,500
Experience - Inkind contribution			\$35,622
STEM Coordinator	40%	\$89,054	\$35,622

Jackson Mann Community School & Council, Inc.

BCYF, Jackson Mann Community Center

500 Cambridge Street, Allston, MA 02134 (T) 617-635-5153 (F) 617-635-5275

Providing services to the Allston-Brighton Community since 1976; Every Neighborhood, One Mission

May 2, 2016

Mr. Gerald Autler
Harvard Public Realm Flexible Fund
Boston Redevelopment Authority
One City Hall Square, 9th floor

Dear Gerald,

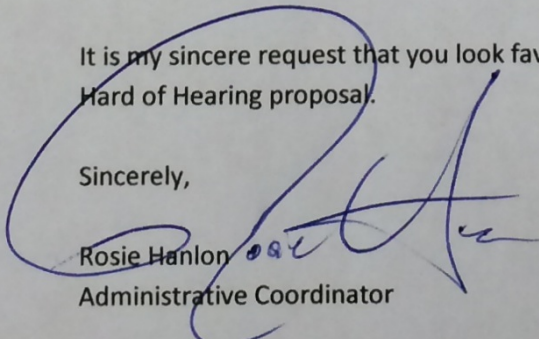
On behalf of BCYF/Jackson Mann Community Center, I am pleased to write this letter of support for Horace Mann School for the Deaf & Hard of Hearing and their application to the Harvard Allston Public Realm Flexible Fund.

BCYF/Jackson Mann Community Center and the Horace Mann School has had a long history of collaboration and sharing of resources. Past collaborations have ranged from offering ASL class to the community, audio improvements to the shared theatre, holiday Mayoral celebrations, internships, supervision of high school students, shared facilities and shared programming of after school students to name a few.

As Jeremiah Ford, Headmaster/Principal of HMS and I have worked collaboratively to provide greater services and opportunities to not only the existing school population, but to the entire Allston/Brighton community it is with great interest for BCYF/JMCC to assist HMS to see the Allston/Brighton Creative Learning Common's STEM Community Makerspace come to fruition. I especially look forward to the first annual A/B Mini Maker Faire to be held in the spring of 2017.

It is my sincere request that you look favorable upon the Horace Mann School for the Deaf and Hard of Hearing proposal.

Sincerely,


Rosie Hanlon
Administrative Coordinator

RH/hs