



FABNEWPORT

Stories of Engagement & Belonging



FabNewport
MAKE | LEARN | DO

Stories of Engagement and Belonging



The PVD Young Makers launch: From left to right: Steve Heath, PPL director Jack Martin; PCL Youth Services Librarian Jennifer Romans, and Providence Mayor Jorge Elorza

Dear friends,

FabNewport's programs are designed to provide all students - regardless of race and socio-economic class - with the skills, confidence, and commitment to positively impact their communities and make their lives.

To accomplish this, FabNewport teaches students how to use 3D printers, vinyl cutters, laser cutters, and robotics. Students learn to code, sew, design, and prototype. Students engage in "hard play" in a culture that awakens possibilities and grows belonging. The combination of engagement and belonging fosters optimism. Students' hearts are touched. Over time our mentoring and guidance inspire students to develop a positive vision for their future and to become leaders in our communities.

As 2020 comes to an end, we are delighted to share stories of success during a year that challenged us all.

2020 has been a challenging year for all of us. As it comes to an end, we are delighted to share stories of success.

When faced with adversity our students and staff persevered and grew. In the following pages, you'll read how Kevin is contemplating the possibility of using his coding and engineering skills once he graduates from high school in 2023; how Junior has decided to hold off taking a job at Stop & Shop so he can instead pursue his interest in cooking at a local restaurant; and how Debbie, one of our Providence teen interns, used her passion for education to secure a position on a national after-school task force increasing funding for out of school time programs.

You will read how our staff have taken extraordinary steps to ensure that our programs and culture persist. In Many ways we have grown stronger. For example, Josie, FabNewport's Director of Instructional Design, taught an online course where she personally delivered Microbits (a pocket-sized computer) to twenty students from Richmond to Central Falls so they could participate in her hands-on learning class. Ellen and Niko, two Black women on our team, led the rest of FabNewport's staff to help all of us better understand, through emotional workshops, racism and implicit bias.

Seiji, our lead technologist, repurposed the thirteen 3-D printers from our lab and our library partners in Newport and Providence to produce and deliver 25,000 face shields for front line workers.



Healthcare Workers provided with the masks

In the stories, photographs, and numbers that follow, we hope you learn more about an organization with meaning and purpose. An organization whose people and culture provides our youth with a sense of engagement and belonging. An organization that thrives thanks to the support of people like you.

Sincerely yours,

Steven Heath, Co-founder and Executive Director

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Founded in 2013, FabNewport's mission is to inspire the maker in all of us.

We serve primarily middle and high school youth in Providence and Newport.



NEX 2020 students at the Norman Bird Sanctuary

Deslian crafting at the Lab

Kevin and Jr learning with Sail Newport

Gabby giving her first public speech on racial issues

Our vision is that students will have the skills, confidence, and commitment to positively impact their communities and make their lives.



We're building a supportive community of makers, designers, artists, inventors, and entrepreneurs.

- Our hands-on, technology-rich programs empower youth to develop essential skills that promote authentic problem-solving.
- Our programs activate a 'maker' mindset providing young people with the opportunity to grow 21st-Century skills and expand their social network.

The ultimate outcome is confidence and civic engagement.



3D Printing



Vinyl Cutting



Sewing



Laser Cutting



Robotics



Electronics, Coding, Film & Audio Production, Virtual Reality + MORE!

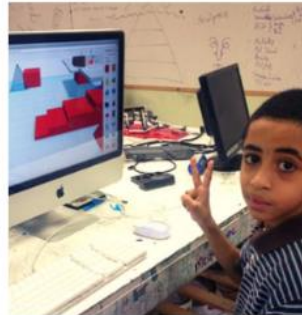
The Evolution of FabNewport

From Making Things to Making Lives

by Nick Logler and Steve Heath, FabNewport Co-Founders

A friend asked us the other day, "Why do you emphasize engagement and belonging?" To us, the answer is clear, belonging and engagement are foundational ingredients to leading a life of meaning and purpose.

In 2013, when we opened we were mostly thinking about young people getting excited about designing and running CNC machines to bring original ideas to life. We embraced the fab lab motto-with a certain set of tools you can make (almost) anything. Over time we noticed that not only were students making things, they were making their lives. We realized, as students returned by choice, year-after-year, that the 21st Century fab lab tool set, when blended with the best of 19th and 20th century pedagogy, was a perfect recipe for growing confidence, and for making lives of meaning and purpose.



Learning 3D modeling

Our theory of change is grounded in the giants who have come before us, such as John Dewey, Maria Montessori, Paulo Freire, Martin Luther King Jr, Abraham Maslow, Fred Rogers and Seymour Papert. These scholars, thinkers, and doers have researched, explained, and proven that hands-on learning, grounded in community-based problem-solving, transforms lives. We walk in their footsteps and their legacies inspire and guide us daily.

Seymour Papert (who studied with Montessori), was a mathematician, computer scientist, educator, and one of the first advocates for teaching young people computer science. He co-founded the MIT Media Lab where the fab lab concept originated. Papert is also the inspiration behind many of the youth-centric tools essential to our practice such as, Lego Mindstorms, Scratch, and Makey Makey. Students want to learn to code, design, prototype, and run machines. It is fun. It is exciting. Students take pride in learning new skills and creating digital and physical artifacts they can share with others. As Dewey said, "Education is not a preparation for life, but life itself." The fab lab tools provide relevance and meaning for our students in the here and now.

We are grateful for Montessori-who, in 1896, was the first woman to graduate from medical school in Italy. Her research led to groundbreaking practices that defined hands-on activity, the combination of movement and thinking, as central to learning. Montessori inspired a thriving global network of schools.



Photos from 2019 celebrating second year of NEX summer camp program

What about belonging? Montessori helps here too. We learn from her that when students work in collaborative multi-age groups, relationships blossom and social emotional growth occurs. Many of us have benefited from growing up in families and communities where belonging was taken for granted. Unfortunately, this is not the experience of many of our young people. They are short on mentors, short on belonging, and cannot access the social networks which provide the scaffolding for a good life. We realized that FabNewport was filling that need, especially with students from lower income families. These students stayed with us for years and trusted us to bring them into the wider community where they could meet people, exercise their newfound confidence and skills, and imagine a future vision for themselves. Research has repeatedly shown that a positive future vision is a more powerful indicator of success in youth than test scores.

These students, Gabby, Brandon, Debbie, and Andrea, to mention a few, are acting on their dreams. Dreams inspired by Martin Luther King Jr., and others. Our students are serving on committees, working as ambassadors, making art, creating podcasts, leading marches, and starting businesses. These young people, and others like them, are our best hope for a future of racial equity and economic justice.

Why the emphasis on engagement and belonging? Because when students are engaged, they are present. Because when students have a sense of belonging, they know they are loved. When student learning is coupled with community, with people who believe in them, and people who stay with them year after year, anything is possible.

Seven Stories of Engagement and Belonging

#1 Ellen Pinnock, our AmeriCorps Director



**FabNewport is changing
lives. It has changed mine.**

Ellen has become a heart leader. She says often, "FabNewport lets me be me." We asked her to share more about how becoming part of the team has impacted her life.

"Not belonging makes you feel weird, like you're the only one who showed up to a Halloween party without a costume. You spend your time, awkwardly out of place and going through the motions with no real hope of grasping anything solid.

Not belonging is existing instead of living. I have felt this way, so often and so deeply that I imagined I wouldn't feel any differently no matter what I was doing. I believed my circumstances, a single black mother from Newport's north end, had already sealed my fate. I wanted change. I wanted to make a difference, but I had no idea how to start. I didn't have much formal education. Some years of college, a few certificates. And I didn't have the desire to go back to school. I just knew I needed to work, but I was tired of jobs that required me to be everything but myself.

I applied for the AmeriCorps Program Director position with FabNewport. I wasn't confident I would even be considered. I remember when Steve told me I got the job. I was floored. I held it together then, but cried my whole way home. I couldn't believe FabNewport had looked passed all those things I felt would hold me back. That moment was the start of me feeling like more than a statistic for the first time, but even then, I had no idea of the shift that was coming.



AmeriCorps team 2020

Ellen Pinnock

I started working with FabNewport and everything changed. Me. I changed. I no longer felt like an awkward outsider of my own life. No one was telling me how to dress, how to talk, or what to do. I was working with people who saw ME. They appreciated me. They asked for my opinions and my help. I was contributing, finally, to something larger than my existence. I started to talk more. I was seeing Newport, my home town in ways I had never seen before. Visiting places, going on hikes. I started writing again. Things I'm positive I wouldn't have done had I not been a part of Fab.



Ellen at the opening of the new Sankofa center.

To go your entire life feeling like you have nowhere to land, then to finally have a place to settle in and be you isn't a feeling I can really describe. It's a release. It's a weight lifted.



Ellen and her daughter, Dorothy

FabNewport is changing lives. It has changed mine. I am now in my second year as the AmeriCorps Program Director. I feel more confident. I am taking charge of my life. I am doing work with my community, the students and parents. Two years ago I had no idea of how my life would ever be different. To not be engaged in your own living is one of the saddest states of being I believe there is, followed very closely by not belonging. I dwelled in both for a long time. Everything has changed for me. I am going back to school in January. I have found my place at FabNewport and belonging there has inspired me and motivated me to just keep going."



#2 Gabby, 15

Lawyer in Training



"I used to think that if someone hired me to be an engineer I'd be the worst person for the job and nothing would go right. Now I am thinking that I know more and it'd be easier for me and I can get a job in more areas than I thought I could," said Gabby in 6th grade. In the ensuing four years Gabby has spent nearly 1,000+ hours in our programs. She recently transferred from Rogers High School to the Met School as the Met allows students to intern during the school day.

"I decided to switch because I felt like my classes at Rogers gave me a lot of filler work that had no real value to the goals I want to achieve," said Gabby, who is interning with an attorney and state representative two days a week. She's also working on securing a second internship as a legislative page at the State House. Gabby wants to attend Brown University and become a lawyer so she can advocate for racial justice. To that end Gabby spoke on multiple panel discussions advocating for the changes she would like to see. "My biggest goals are to make positive changes to the world that will survive me and **inspire** young Black girls to fight for themselves and their dreams."

Gabby's younger sister, Lacie, is also a long-time FabNewporter. Lacie has a keen interest in music and is exploring career pathways in ethnomusicology.

"You all are boosting and giving them confidence," said Gabby and Lacie's mother, Marcia Brown. "Gabby and Lacie think they can do whatever they want, more than ever before, because, in their minds, they have FabNewport behind them to connect them to people, to make them go further."



Left to right: Gabby, Marcia, Lacie



#3 Kevin, 16

Philosopher



"I've learned to just try to do as much as I can and to think about others before myself. If everyone did that you wouldn't have to think about yourself. Someone else would," said Kevin, 16, who added that "FabNewport has helped me grow a community."

Kevin first came to FabNewport four years ago as part of an after school program run in partnership with Thompson Middle School. He developed his coding, sewing, design and machine skills. Last year Kevin attended all of our after school and summer programs for a total of 448 hours. In addition to developing technical and essential skills, Kevin has learned how to bike and sail.

"FabNewport gives me a passion to learn," said Kevin during a recent podcast that he and his fellow FabNewport Everitt recently started. "It gives me a different perspective than sitting at a desk all day."



Learning with Sail Newport



Alex(brother), Jose(dad), Kevin

"This program has helped him to see the other side of life," said Kevin's father, Jose. "Not just go to school classroom to classroom and go home and feel like nothing happened. In this program he feels more free and people listen to his ideas - the same way he listens to other people's ideas."

Presently, Kevin is exploring an interest in finance, reading Rich Dad Poor Dad, and contemplating the benefits of attending college versus heading right into the workforce. "I am leaning towards college," he said. "I want the experience. It also gives me opportunities I wouldn't have if I just started working immediately."



#4 Brandon, 17

Community Advocate & Filmmaker



"I believe the power comes from giving students...the opportunity to change their environments"



Brandon, a Providence MET School senior, began his relationship with FabNewport in 2018 as a student in our AP Computer Science class with Director of Instruction, Josie Michaud. As one of our first Providence teen participants, his initial engagement was the catalyst for our high school internship program.

Brandon explained that the FabNewport and PVD Young Makers tools are important but "I believe the power comes from giving students...the opportunity to change their environments," he said. "Confidence is a big part on it, too," Brandon quickly established himself as a dynamic coach, serving Young Makers in multiple Providence libraries. He encourages people to seize opportunities and unleash their creative potential. He is a champion of co-generational learning and an advocate for justice.

Brandon's expanded his repertoire to filmmaking which is fueled by his work with, A Leadership Journey, where he facilitates youth discussions on self awareness, identity, leadership, and Ubuntu. Brandon has travelled nationally and internationally to learn about global citizenship. He also worked on a documentary of Fox Point Community Library's mural production in summer of 2019. Through his research, he noticed issues of redlining due to racism. His discoveries shifted his film direction. This past summer, he spent countless hours researching Black history in America. He presented his findings through a series of crafted slideshows to our staff and interns.

Brandon took more steps to making change by becoming Student Body President of the Equality Building at the Met School, and then Chair of the Rhode Island Department of Education (RIDE) Student Body Council (A council assembled with students from each high school in the state that meets monthly to provide feedback and advice to RIDE). He is also a member of both the Council for Elementary and Secondary Education and the Board of Education.

Brandon has a vision for transforming the RIDE student body council; the concept of a non-voting member does not take enable real student voice. Recently, Brandon partnered with additional students around the state and started an initiative to lobby the Governor of RI to institute a voting board of student representatives.



Brandon interacting in community events



Brandon at PVD Young Maker launch



#5 Everitt, 16

Writer & Aspiring Librarian



"There are always interesting things that I can look forward to and I can change my thoughts of what I want to do in life by exploring."

Everitt: A Family Story

Everitt's journey with FabNewport started in 2014 when his entire family -- mother, grandmother, and three sisters -- participated in a four session family computer science class on Monday nights. They designed and coded an electronic Twister game. Everitt has been part of the team ever since.

Last year Everitt logged 448 hours in FabNewport programming, took three after school programs and spent the summer honing his swimming skills. He earned 13 skill badges and is most pleased with his swimming credential.

Last year our team helped Everitt secure internships at the Newport Public Library and the Martin Luther King Center. Everitt, who writes science fiction, is interested in pursuing a career as an author and librarian.



Everitt, presenting his writing piece

"He is active in the community which I love," said his mother. "He tells me about what he is doing with a smile on his face. He wasn't like that before he had mentors. He is surrounded with who is going to guide him the right way. I wish other kids had the opportunity."

Steve Heath, FabNewport's Executive Director, remembers sitting next to Everitt at an "improve school" workshop where students were complaining when Everitt, with his engaging smile, looked him in the eye and said, "Wow, I am so lucky. I have all the opportunities anyone could want."

"FabNewport gets us out of our shells," said Everitt. "We become more aware of surroundings. More capable of meeting new people and new companies."

"FabNewport helped me appreciate school even more," said Everitt, explaining that the freedom FabNewport granted him opened his eyes to the possibilities that learning can happen anywhere, anytime. "I can always learn more."



#6 Debbie, 16

Afterschool Learning Ambassador



Debbie's journey with FabNewport started when Denise Brophy, the Providence Community Library Manager at the Wanskuck Branch, told Debbie that FabNewport's PVD Young Makers program was looking for teen interns.

As Brophy later explained about Debbie's engagement, "The initial invite to become a paid teen intern at the library took Debbie from a two-dimensional world of school and home to a full-blown 3D experience of purpose." Debbie, a senior at Classical High School, shared her experience with FabNewport in the following way:

"PVD Young Makers provided this unique hands-on, student-led learning experience that not only taught me real-life skills but also helped build a platform to spread my wings, find my passion, build my skills, and work on what I am most eager about as a student: advocacy and change which is the driving force behind my fight to help other students find their space in our education system."

I have continuously advocated for after school programming to be the model for our school classroom because like PVD Young Makers, it has proven to cater to all types of students regardless of backgrounds and challenges. It is no surprise that children thrive in an environment that fuels their fire, an environment that holds their passion at core.

I have taken the leadership of PVD Young Makers Hack-Education initiative to provide an education system by the students for the students, move away from the outdated, conventional way of teaching and jumpstart revolutionary ways of learning. This is especially important during these chaotic COVID-19 times.

All my experiences have shed more light on how I view my future goals of working in the infant developmental psychology field. As you can see my tiny wings are widespread but I wouldn't be this person without PVD Young Makers that saw me as a student and catered to my needs

In November, Debbie was introduced by Congressman David Cicilline as the keynote speaker where she presented about partnerships as a key success at the Rhode Island After School Network Keep the Lights On celebration. Minutes after wrapping up she zoomed off to the national Out of School Time Keep the Light on Celebration, where she is a national ambassador.



Debbie sewing face masks



#7 Andrea, 17

LGBTQAI+ Advocate & Mentor

PVD YOUNG MAKERS



Since August 2018, Andrea has been a member of the PVD Young Makers team. As a student at Providence Classical High School, Andrea joined PVD Young Makers through our summer training program. The program was designed to attract student interns at the ten Providence maker space locations. When Andrea started with PVD Young Makers she had only been in the states for three years, having moved to Providence from Spain.

Excited by her new learning environment, Andrea sought out opportunities to engage with the community outside of school. She quickly became an inspired intern, eager to learn how to use makerspace equipment and take on special projects. Andrea became proficient in sewing, 3D printing, laser-cutting, vinyl-cutting, and she did not stop there, she realized her true passion was teaching others.



Andrea worked with a local artist to co-design a course called, "The Queer Umbrella", an LGBTQAI+ support group for teens and young adults. She partnered with Planned Parenthood and Youth Pride to provide accurate information about safe sex and mental health in her ongoing workshops. She formed a community of young people who use maker space tools to express their identities and practice 'activism'. Together they made T-shirts, pins, and posters, they experimented with makeup and learned to use sewing machines. Andrea established a legacy, passing "The Queer Umbrella" down to one of her former students, who continues to run the course today.

Andrea is now a college freshman at CCRI pursuing a degree in social work with a concentration on expressive therapeutics. The leadership experience she gained training and teaching landed her a part time position as a liaison between PVD Young Makers and Young Voices. She expressed gratitude for PVD Young Makers in the following speech she gave at the 2020 Providence Community Library's Annual Meeting this past September. (See next page)

Below is a speech Andrea gave at City Hall for the Providence Community Library's annual meeting.



I joined this group a year ago, and as soon as the staff started talking, I fell in love with the idea of the program. They're telling me that they're going to pay me to help other people. It was a dream come true.

Soon enough, I became a library mom to many kids. I started sewing and creating classes for them. They brought so much joy to my life. We made bags together, skirts, bracelets and colorful bows. We created a little universe. We made scrunchies and headbands for one of the staff members at our library. It was perfect.



Then I started teaching an LGBTQ+ class and around 15 people joined. I started talking about healthy relationships, about the struggles we go through, and how we could help each other. People started showing up every Thursday, talking about how the program changed their life, how they felt like they belonged together. We found a learning gap and we're preparing to expand our efforts around these issues by collaborating with Planned Parenthood and Youth Pride.

For me, going to work almost every day and seeing the impact that I made helped me through all of my struggles. I started helping other people and that's how I helped myself. Thanks to PVD Young Makers, I made people happy. Thanks to PVD Young Makers, I found myself. I found the person that I was meant to be, the one trapped in a cage made out of my own insecurities and fears. I found the person capable of handling 10 screaming kids at once while making a skirt, while a machine breaks and people are asking for my help. I found my patience, my passion, my true self.

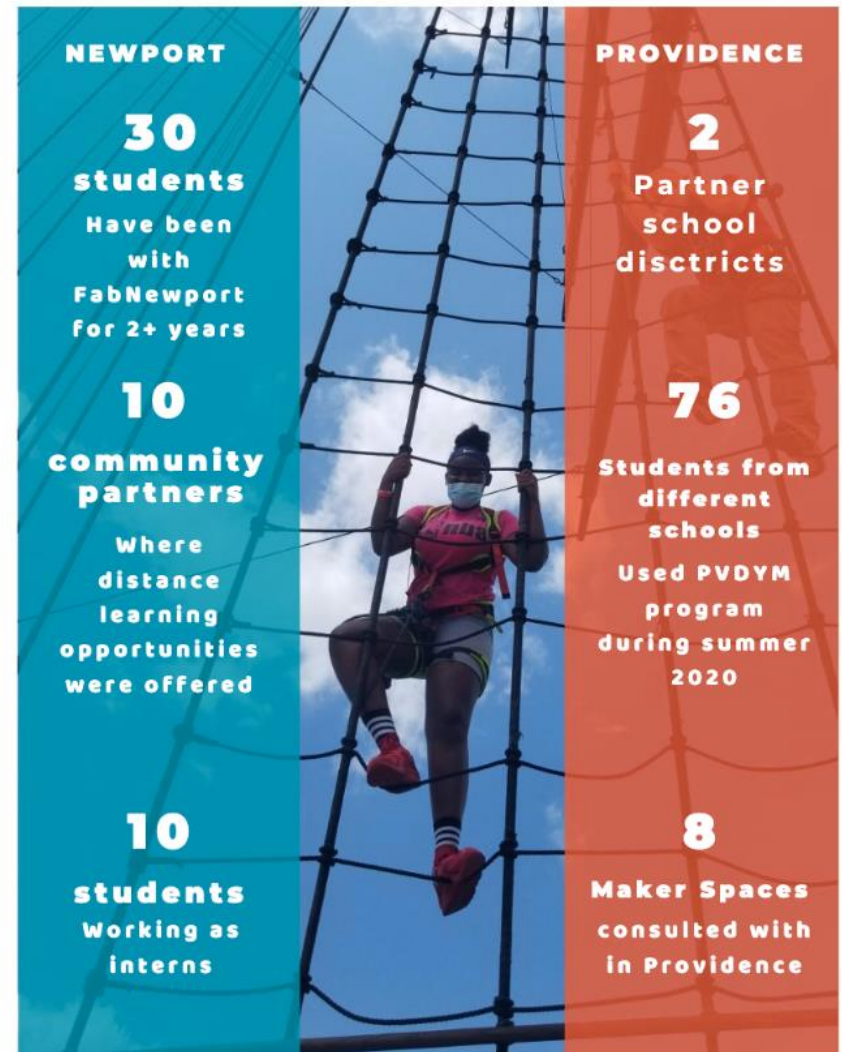
There are no words to describe how much this program means to us and how much it will do for our future.



FabNewport by the Numbers



FabNewport by the Numbers



2020 Newport Accomplishments



NEX-The Newport Experience

We completed a 3-year pilot program with 20 students which included year-round programming and 6 weeks in the summer. The relationships and confidence that grew out of NEX has laid the foundation for our emphasis on engagement and belonging and community based education.

Entrepreneurship Program

We established an entrepreneurship incubator program that allows students to get real world business skills by designing and making for local businesses. Autumn is pictured holding a sailcloth sign made for our friends at NPT Healthworks.



Microbit Class Goes Statewide

The pandemic presented a unique opportunity to take Josie's engaging Microbit physical computing class statewide this summer. Twenty students from around the state registered for the two week class which was funded by the RI Department of Education. Students had so much fun they signed up for another session the following two weeks..

AmeriCorps Program

Our 9 members are building relationships to decrease truancy. Last year we saw students go from 100+ days absent the prior year to **seven days absent**.



2020 Providence Accomplishments



Inside Out PVD

In response to the COVID-19 pandemic, we delivered 1,200 maker bags and provided, in English and Spanish, socially distanced design challenges for **475 elementary, middle and high school students from 76 different schools**. This was a partnership with the Providence After School Alliance and Providence Community Library.

Hybrid Model Classes

We continue to design and deliver hybrid model courses for our students during the school year 20-21. **Hybrid courses are a blend of physical and virtual experiences.** We lend equipment and materials to our students so that they can keep making & learning, while providing virtual mentorship along the way. Hybrid programming has allowed us to continue building our community even through the toughest of times.



Using Our 3D Tech to Support Front Line Workers During the Pandemic

Since the start of the Covid-19 pandemic, FabNewport & TinkerWorks have been at the forefront of designing, creating and distributing Personal Protective Equipment (PPE). We delivered **25,000 face shields to nursing homes, schools, and first responders**.

Teen Interns Now Earn Shool Credit

The RI Department of Education recently announced our teen interns will now earn school credit for their work with us in the Providence libraries. This work based learning approach lets youth explore pathways while also mentoring community members. Students experience exponential social emotional growth when serving others. Students also document their work in portfolios.



Design-Make-Manufacture @ the MET

This is our sixth year of working with Met School students in Providence. These student designers and entrepreneurs uses the fab lab tool set to bring ideas to life. Many of them earn an industry approved Autodesk certification based on their ability to model in 3D..

2020 Organizational Accomplishments



Established an AmeriCorps team in Newport



Diversified staff to over 50% black and people of color



Hired a bi-lingual Communications Director



Board efforts resulted in 100% increase in board generated contributions



AmeriCorps team outside FabNewport



Students in our bilingual maker program

Organizational Accomplishments during 2020



Earned grants for development coaching, leading to first multi-year gifts and increasing philanthropic support for fourth consecutive year.



Engaged performance coach (pro-bono) and identified opportunities for organizational improvement.



Teen interns appointed to prestigious state and national roles



Students learning pottery at the Jamestown Arts Center



Michelle sporting her brand-SHELLSHOCK

RI Foundation Recognizes FabNewport

Grants & Scholarships

To help a city it takes a village

While the Foundation has three strategic initiatives—economic security, educational success, and healthy lives—none of those exist in a vacuum. They are all interwoven, with progress (or decline) in any one of them affecting the others.

By Jennifer Pereira | May 04, 2020

The following story illustrates how nonprofit organizations from different fields in Newport are working together to improve the lives of their residents. We are proud to support their efforts.



Ellen's photo from RI Foundation report

As mentioned elsewhere in this report, during 2020, FabNewport established an AmeriCorps team in Newport (see page 20). Under the direction of FabNewport, AmeriCorps service members work with students and families in the Newport public school system to reduce absenteeism and truancy using the Check and Connect intervention model.

Check and Connect is a mentoring strategy that promotes student engagement in school through relationship building. The focus is on school completion rather than dropout prevention. Leading the Check and Connect program for FabNewport is Ellen Pinnock. Impressed by Ellen's work, the Rhode Island Foundation (which supports FabNewport) highlighted her story in their 2019 Annual Report.



United Way Recognizes FabNewport



SPOTLIGHT: FABNEWPORT

Based on Rhode Island KIDS COUNT Student-Centered Learning Spotlight on FabNewport.

FabNewport is a community-based non-profit maker space and learning studio serving Newport, Middletown, and Rhode Island at large.¹⁶ FabNewport provides middle and high school students "alternative pathways to science, technology, engineering, arts, and math (STEAM) through mentoring and personalized education."¹⁷ The organization also teamed up with the City of Providence, Providence Public Library, the Providence Community Libraries, the Rhode Island Museum of Science and Art, and Young Voices to bring makerspaces into 10 libraries in Providence neighborhoods.¹⁸

FabNewport has served as an Advanced Coursework Network site, offering middle and high school students across the state credit-bearing courses, including Computer Science Principles, 3-D Design and Digital Manufacturing, and Wearables: Introduction to Embedding Electronics and Clothing. The organization emphasizes the student-centered learning principle of "Learning Anytime, Anywhere," in which structured, credit-bearing learning experiences can take place in the community and outside of the traditional school day or school year.

FabNewport offers classes, workshops, and afterschool programs for students who want to create, tinker, and make by using innovative tools, including 3-D printers, laser cutters, heat presses, vinyl cutters, sewing machines, and power tools. According to founder and Executive Director Steve Heath, "Once students become 'makers' in a lab or classroom space, they build the

Long has shared his knowledge of Scratch in many different venues throughout the state, including maker fairs, professional development programs for teachers, family nights, and various community events. He has assisted Heath by creating a video to help teach adults and children how to use Scratch.

Long appreciates the type of learning he does with FabNewport because it is "more hands-on and more fun." He has enjoyed learning new skills, such as using the laser cutter, learning how to code, and learning how to do 3-D printing. This type of learning is rewarding for Long: "When I get to make things and see something I made, I feel pretty accomplished."¹⁹

Long believes that learning skills through FabNewport will make it easier for him to get a job after he graduates from high school, especially since he plans to do concept art for the game industry.



Article by Kids Count featured in United Way's 2019 report on the RI After School Network.



Value/cost per student

\$14.25

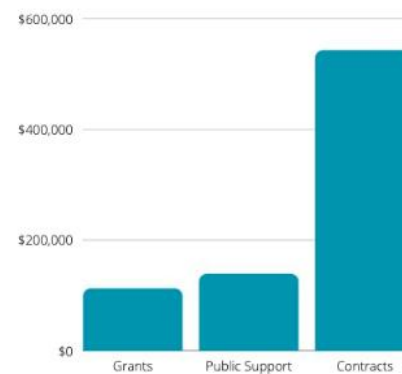
Cost of one hour of programming

\$6,412

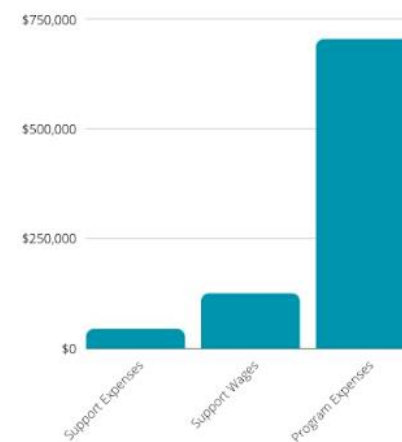
Cost of year round programming, including afterschool and summer camp

2020 Revenue & Expenses-11/30/2020

REVENUE



EXPENSES



FabNewport
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Looking Ahead- Goals for 2021

The pandemic has made it clear that now is the time to innovate and collaborate like never before. To that end we are moving full STEAM ahead to run, support and develop programs that foster engagement and belonging in Newport and Providence.



Expand the Newport Experience from 20 students to 100

We plan is to engage partners in deeper collaboration so more children can experience the joy of exploring the full range of the Rhode Island's rich cultural, recreational, and educational opportunities.

Double Teen Internship Program in Providence

For two years we've had 20 paid teens supporting our programs in the libraries as coaches. We plan to double that number in 2021. This increases program capacity and provides teens with exceptional growth opportunities.



Looking Ahead- Goals for 2021



Hire a Conductor (Chief Operating Officer)

This person will improve and manage our administrative, communications and fundraising systems.



Expand Entrepreneurship Program to Providence

Students have been making and selling goods out of the Newport lab for years. It is time to ignite our young entrepreneurs in the Capital City.



Increase Capacity to Our Mentor Partner Organizations by 50%

Our goal is to multiply our impact. We do this by mentoring educators, and organizations by coaching them on developing programs that foster Engagement and Belonging for equity and racial justice.

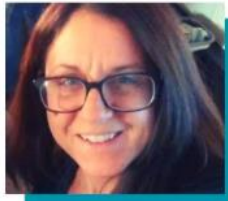
Team



Steve Heath

Executive Director-Founder

Working at FabNewport provides me the opportunity to bring people together from all walks of life with the purpose of creating an optimistic future.



Josie Michaud

Director of Instruction

I get to bear witness to our students stay with us for a long time. I've been fortunate to see many mature into adulthood where they live out our motto being fearless, passionate and kind, while advocating for themselves and others.



Chris Gross

Chief Empathy Officer

I find great purpose in being part of a team that believes learning is about relationships. Together, we provide scaffolding for young people to grow a positive vision for their future. We all have a part to play.



Ellen Pinnock

AmeriCorps Director

I work at FabNewport because I can't imagine being a part of anything greater than watching students come out of the molds they have been squeezed in to. To be a part of students growing and changing and becoming their greatest selves is one of the best experiences of my life.



Keith Ranaldi

PVD Young Makers Coordinator

Working with FabNewport fuels my life's mission of making real change in our education system. Our team shares a genuine love for students, respect for one another and an unwavering passion for creating a culture of inspiration that invigorates me.

Team



Francesca Del Prete

PVD Young Makers Youth Services (Providence Community Library)

I work at FabNewport to share the power of design with our students. FabNewport provides us all a safe space to be designers of our futures, to express ourselves, and to share our skills & interests with others. We are ultimately designing a more thoughtful, inclusive, just world together.



Seiji Abe

FabNewport and PVD Young Maker's Lead Technologist

What I love about working at FabNewport is the opportunities we provide to explore new and interesting topics, skills & technology. It is exciting to be part of an organization that is agile and adaptable; not only in response to road blocks like Covid-19, but also in terms of creating new pathways & curricula designed around the specific interests of our students



John Spillane

Jack of All Trades

I work at Fab to make an impact in the lives of the youth we. My goal is to give our students access to opportunities I have benefitted from.



Niko Merritt

Community Engagement Lead

FabNewport feels like family, I have been involved since its beginnings as a community member, as a parent, as a volunteer, and finally as an employee. I have seen the connection that the team has with the community and it is powerful. The way they support and encourage is rare. I am hopeful for the future.



Daniel Cano

Communications Director

I like to work at FabNewport because of its culture of inclusive, bright and kind people who allow me to freely express who I am and use my voice and talents to make and impact in my community. As a designer I love the process of making stuff because I get to connect in a deeper level with students and work hand by hand with them. FabNewport is my creative and community outlet.

Board of Directors

Nicholas Napp

Chairman

Nicholas has been an entrepreneur for much of his career. His clients have included AT&T, Hilti, HTC, Microsoft, National Renewable Energy Lab, Sony, Tencent and many others. In addition to his work at FabNewport, Nicholas chairs an IEEE standards group exploring Trust and Safety in Online Gaming and is a Steering Committee member for IEEE's Digital Reality Initiative.



Allison Ingalsbe

Vice Chair

Allison worked for 25 years at St. George's School in Middletown where she taught French. After eight years she went to Stanford to get trained in Design Thinking and worked with school leadership to develop new programs. Allison now operates her own firm, Creative Strategies.



Chris Semonelli

Secretary

Chris, an independent businessman, is a life-long Middletown resident and a dedicated public servant. Chris, a chemical engineer, served several terms as the president of the Middletown Council and is a tireless advocate for student learning opportunities in the STEAM fields.



Hank Kniskern

Treasurer

Hank had a career with AT&T, Lucent and Bell Labs, primarily in the areas of operations and strategic planning. He served as chair of the Newport Waterfront Commission, and currently serves on the boards of the Newport Maritime Alliance, Newport Mental Health, Newport Public Education Foundation, Top of the Hill Association and FabNewport.

Board of Directors

Nicholas Logler

Nick was one of FabNewport's co-founders and its original employee in 2013. He earned a BA from Loyola University in Maryland and a MA from American University in Washington, DC, where he studied community, technology, and empowerment. Nick left FabNewport to pursue a PhD in Information Science at the University of Washington where he is studying how making transforms lives.



Kerry Clarke

Kerry works for Newport Public Schools, primarily focusing on career exploration, job readiness and partnership development for Rogers High School and the Newport Area Career and Technical Center (NACTC). Serving as a liaison to educational, industry, government and community groups, she is working to transform career and tech education and develop a skilled workforce. Kerry is a certified teacher with over 10 years of corporate marketing experience.



Cheryl Space

Cheryl is the Director at Providence Community Library, a network of nine neighborhood libraries. She was previously the Youth Services Coordinator at PCL. Providence Community Library has proudly partnered with FabNewport in creating and implementing PVD Young Makers in all 10 public library buildings in Providence (PCL and Providence Public Library).

Thank you for your support!

We are grateful to all of our friends, supporters, partners, families and students.

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Newport Public Schools and the Newport Community School for sharing your students; The Newport Health Equity Zone and Working Cities for years of support and leadership; Newport County Boys and Girls Club for being good neighbors; The Providence After School Alliance for their leadership; Bike Newport for keeping us rolling; Aquidneck Community Table for tending to the gardens; MLK Jr Center for sharing space; Sail Newport for expanding horizons.

Thanks to all the families for trusting us with their children.

Thanks to all of the students for showing up and providing us the opportunity to serve. You bring us joy, meaning and purpose.



FabNewport's mission is to inspire the maker in all of us.



Your support matters. Please make a gift.

We not only welcome financial support but also materials, your talent and time.

Fabnewport.org/donate

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