

Boys & Girls Clubs of Greater Washington

STEAM

SCIENCE, TECHNOLOGY, ENGINEERING, ARTS & MATH



10 Years of Excellence

Awarded the Nation's Top 50 Youth Arts Programs
by the President's Arts & Humanities Committee in 2016



BOYS & GIRLS CLUBS
OF GREATER WASHINGTON

History

Pilot Program Launches

2007

TAP (Teen/Tween Arts Program)

2008

Shine Through Musical
First 3 week overnight TAP Camp

2009

Learning Laboratories

2010

Julliard International Jazz Camp

2011

In The Mix

2012

Howard University TAP Camp

2013

Zirkin - #STEAMtheBlock
Endangered the Musical

2014

Pepco STEM Club
CAP (Children's Arts Program)
Qadar The Opera
Ruka The Musical

2015

Music Academy
Guitar (DCCAH)
Drumline (DCCAH & Musicianship)
Piano | Keyboards (DCCAH)
Violin (S & R Foundation)
Truth The Musical

2016

Chorus | Opera for Children (CAAPA)
Visual Arts Academy

2017

BEE-BUG
(Building Entomological Ecosystems
& Biomimetic Urban Gardens)



Michelle Obama
Doing visual arts project at our Club



ZIRKIN
FOUNDATION





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Denyce Graves

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Messages From



Gabrielle Urquhart Webster
President & CEO, BCGW

Gabrielle Webster

Gabrielle Webster

As the new CEO, I am elated to join the Boys & Girls Clubs movement. I have long been an admirer of this transformational organization and I am grateful to work with a talented team, committed board members, as well as corporate and community leaders as we continue to expand our partnerships and develop additional opportunities for BCGW members. For 131 years, BCGW has worked to level the playing field for all youth. As a trained chemist, I have personally benefitted from STEM educational endeavors. In the 21st century, I recognize that few issues are more important to kids' futures – and

the future of our nation – than having access to a quality STEM education. The growing workforce in our communities seek skilled employees that are proficient in this area. BCGW remains a leader in equipping young people with hands-on activities and exposure to STEM careers. Our organization continues to benefit from world-class partnerships that assist in implementing our award winning STEM + Arts = STEAM programs. This commemorative review chronicles the world-class history of STEAM programming in our organization and its impact on the youth who need us most.



Patty Perkins Andringa
Past BCGW Board Chairman
Founder and Chairman, WLG

Patty Perkins Andringa

Patty Perkins Andringa

We are thrilled to share a bit of BCGW's arts history with you in this magazine. It is hard to believe our focused art initiatives started less than 20 years ago (1999) when I brought a group of prominent women together determined to provide consistent, ongoing arts opportunities for our BCGW kids as a way to start filling in the gaps created by under funding in the public school system. The journey has been challenging, exciting and so rewarding.

Since inception, the Women's Leadership Group (WLG) of BCGW has netted over 5.5 million dollars, underwriting a full time Arts Administrator, myriad arts programs, STEAM programming and many other educational endeavors. In

fact, it was Tony Small our first Arts Administrator who recognized the potential of STEAM for learning, inserting the arts into science, engineering, technology and math! His creative rap on the Scientific Method is an early example of using the arts to make challenging STEM topics enticing and fun!

Research has shown the powerful impact arts education has on learning and emotional well-being. Whether a child becomes a professional artist, teacher, dilettante or dabbler, exposure to the arts is not a luxury but an important tool in a child's box of resources. We are proud that BCGW continues to expand its arts offerings so that our kids can learn in a safe, creative, stimulating environment.



Tony Small

Tony M. Small
Founding Director: SPEARS, TAP
and Regional Artistic Director

Tony M. Small

I'm thrilled to have helped pave the way for Boys & Girls Clubs of Greater Washington (BGCGW) being recognized as one of the nation's top 50 youth arts programs. From being selected as one of the White House Millennium Committee's top Community Artists to composing the Smithsonian and Sultanate of Oman's first-ever commissioned opera, I've had the opportunity to curate world-class programs in 4 major cities (Chicago, Indianapolis, Baltimore and Washington DC). Yet none compare with the experience of being able to impact over 15,000 youth each year in a 72-mile radius during my 10 year tenure at BGCGW.

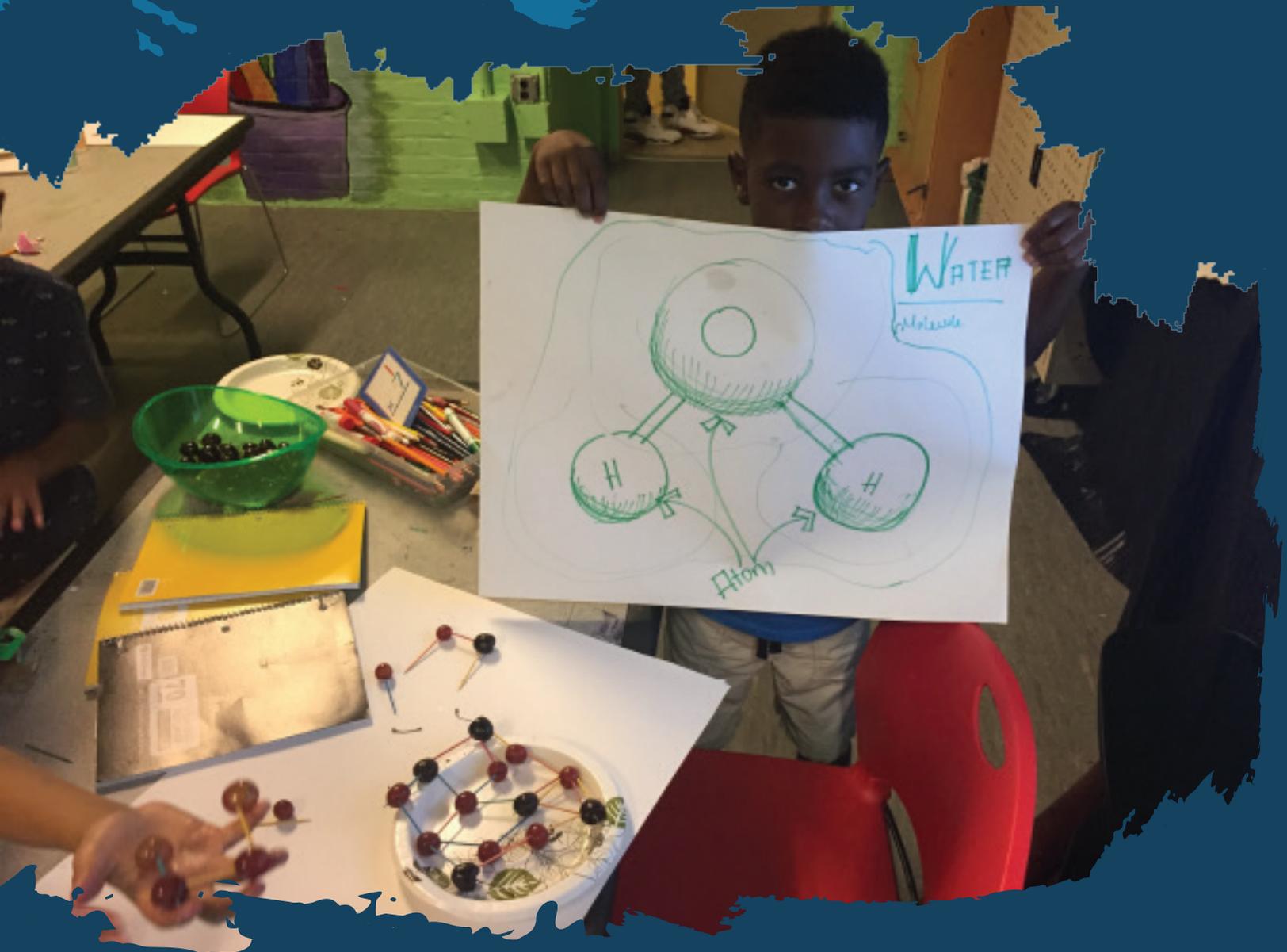
The past five republican and democratic presidential regimes have publicly acknowledged the high quality efforts by BGCGW. From Barbara Bush's 1990 visit to read to children at our former Eastern Clubhouse to President and First Lady Obama's 2015 visit to clubhouse # 6, presidents have commemorated official days of service by visiting our local sites.

Our original STEAM curriculum aligns with national and state standards and exceeds standards for K-5 grades. I'm elated about continuing to bring world-class programming to the doorsteps of the communities and youth who need us most.



TAP Choir
with Tony Small

STEAM



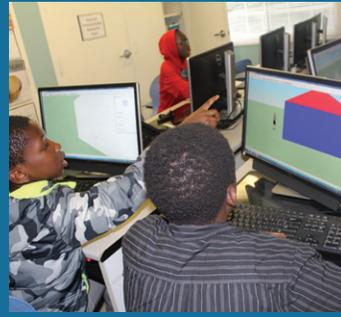
STEAM is an educational pedagogy that encourages constant learning by activating multiple parts of the brain simultaneously. Science, Technology, Engineering, Arts and Mathematics, subjects that were traditionally taught in silos, are now being taught in conjunction with each other to enhance creativity and show the true connections to everyday life. When delivered correctly, **STEAM** demystifies fundamental math and science concepts to help move the next generation of thinkers from being consumers to makers.

STEAM at BCGGW

STEM + Arts = STEAM



BCGGW has served Greater Washington youth for more than **130 years**



One of the nation's top youth arts programs,
National Arts And Humanities Youth Program Awards



Our principal partnerships include



BCGGW delivers world-class curricula using the flipped-classroom model, coupled with state-of-the-art technology

339

learners participate in Zirkin Club Tech and #SteamTheBlock programming each year

- BCGGW STEAM has participated in:
- ✓ NBC4 Health and Fitness Expo
 - ✓ PEPCO STEM Expo
 - ✓ TruCooler Tour
 - ✓ National Cherry Blossom Festival

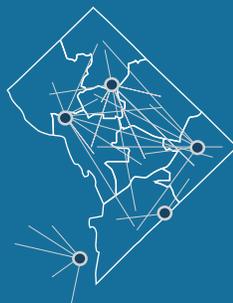
Students engage with professional software suites like:



|||≡ Ableton



The STEAM Team conducts weekly programming at **six** different Clubs in the DMV area, serving learners from **all eight Wards**



Participants create digital portfolios that include:

- 🎵 Original Music 🎵
- 📷 Photography 📷
- 🖨️ 3D Designs & Prints 🖨️
- 📝 Session Notes 📝
- 🎬 Videos and Films 🎬



Studio Visits
Field Trips
Concert Tours
Professional Talks
Keynote Speakers
Hands-on and Minds-on STEAM

Zirkin programming resulted in a **25% increase** in interest in mathematics over Summer 2016

Recognized as one of the nation's

Top 50 Youth Arts Programs

by the President's Arts & Humanities Committee in 2016

Boys & Girls Clubs of Greater Washington (BGCGW) was established in 1886 to provide children with a safe place to go after school. For decades the Clubs were known for only homework help and athletics. In 2007 the organization experienced a radical shift by embracing arts programming as a core component. At that time, award-winning composer, Tony Small, was hired as the first Artistic Director.

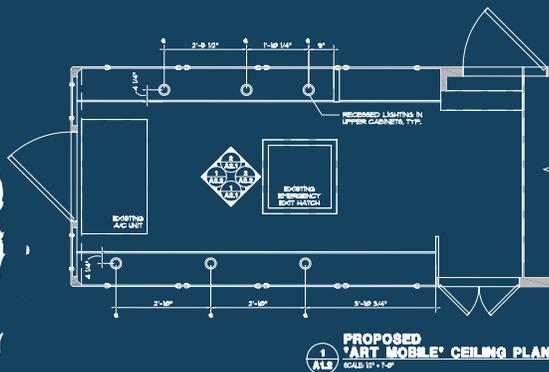
One of Mr. Small's initial accomplishments was establishing TAP (Tween/Teen Arts Program) to address an epidemic of little or no access to arts programming in the low-income communities that BGCGW serves. Mr. Small recalls, "I wanted underserved youth to be afforded the same world-class arts training programs that I provided for my own daughter who is a Juilliard graduate... Thus, I founded TAP!"

With generous support from the Webber Family Foundation, TAP's daily Learning Laboratories and summer, overnight, two-week camps quickly became an inner-city safe haven for gifted yet underrepresented tweens/teens. Participants' talents were showcased in productions such as Artworks, an eco-musical with a world premiere at the Kennedy Center and the Smithsonian's Museum of African Art, the Sultanate of Oman's first commissioned opera with the world renowned Denyce Graves serving as Artistic Director.

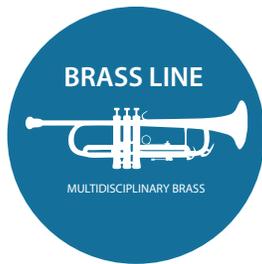
In 2010 Mr. Small expanded the TAP curriculum to incorporate interdisciplinary arts, tactically addressing American youth being globally behind in STEM education. The utility of Arts + STEM = STEAM became intricately woven into the fabric of TAP's methodology and a pilot program for Boys & Girls Clubs of America.



Since its founding, TAP has hired over 200 world-class Arts Ambassadors and used 1000's of volunteers as arts educators to work alongside interns from 25 of the nation's top arts institutions. Together they tackle the national disparities in underrepresented communities and have helped engineer the best arts practices nationwide. These "best practices" in arts and innovation were awarded one of the nation's Top 50 Youth Arts Programs by the President's Arts & Humanities Committee in 2016.



Learning Laboratories



ICON

The Boys & Girls Clubs of Greater Washington's (BGCGW) ICON Program was first presented in 2003. With the ever increasing budget cuts in the cultural arts within our schools, the BGCGW Women's Leadership Group created an opportunity for our club members to develop, nurture and showcase their hidden talents. From singing to dancing, to poetry to comedy, to playing instruments, members from within our clubs have displayed extraordinary talent that may have otherwise gone unnoticed.

For 15 years, ICON participants were featured at the annual ICON Dinner & Talent Showcase Gala, netting over \$5 million and creating impactful experiences for youth who might not otherwise be exposed to the arts. Funds have supported the ICON performing and visual program, as well as educational initiatives and scholarships. This is one of the few arts and culture program in the region highlighting the talent of young people.

ArtMobile

In the fall of 2011, Women's Leadership Group introduced our ArtMobile (art class room on wheels), enhancing our ability to expand our arts program throughout the Greater Washington area. It has provided a way to counter the cuts in arts education in our schools and also enabled us to build incredible partnerships with companies and organizations that want to give back to their communities and serve thousands of children that need us most. Artists spend 4 to 12 weeks working on problem-based, entrepreneurial, "Edutainment" and unique art projects for on-going displays and exhibitions.



TAP Success Stories



Analisa Wall

Musical Theatre Artist

After enrolling in the Boys & Girls Clubs of Greater Washington (BGCGW) in 2005, I immediately became involved in the ICON scholarship competition. I was chosen as one of the 2007 ICON competition winners. Through my involvement with TAP I have been granted the opportunity to travel all across America as the entertainment for dozens of events. I am a recent graduate with a BFA in musical theatre from the University of the Arts in Philadelphia, TAP gave me a sense of community at a very young age with peers whom I follow and admire to this very day.

Andrew Capasso

Flautist

Being with BGCGW ever since I was nine years old has had a tremendous impact on my life. It has helped me build character, learn how to work well with others, and be humble with everything I have in life. I thank Mr Tony for inviting me to join the TAP camp summer of 2012. It has given me opportunities most people don't have in a lifetime such as performing at Congressional dinners, the Kennedy Center and with the National Symphony Orchestra. I am forever grateful for BGCGW as they helped make me who I am today.



Jabari Jefferson

Figurative Impressionist Painter

I've had a passion for visual arts since six years of age. I was fourteen when I met Tony Small, the Regional Artistic Director at BGCGW. After only hearing that I had an interest in painting and drawing, he got me a scholarship through the WLG (Women's Leadership Group) to the Artist Studios in Georgetown.

Fast forward six years later and I just received my degree from The Art Institute of Chicago. After showing and selling my art both nationally and internationally. I am forever indebted to what BGCGW Arts programs have done for me. I hope that they continue to be a blessing to other young artistic minds, as they were for me. I am returning to DC the summer of 2017 with dreams of expanding visual arts programs at BGCGW.



Jong-Hoon Kim

Pianist | Composer | Conductor

I cannot thank Boys & Girls Clubs of Greater Washington enough for the opportunities that it gave me as an artist, teacher and administrator. BGCGW gave me the chance to perform at the Kennedy Center, develop curriculum, mentor kids in need through the power of the arts, and work with artists and teachers from all around the world. Had it not been for BGCGW, I would not be the person that I am today; I am a graduate of George Mason University and a music teacher wanting to spread the word of how arts can crucially change the lives of countless others, just as it changed mine.



Tariq Al-Sabir

Vocalist | Composer | Producer

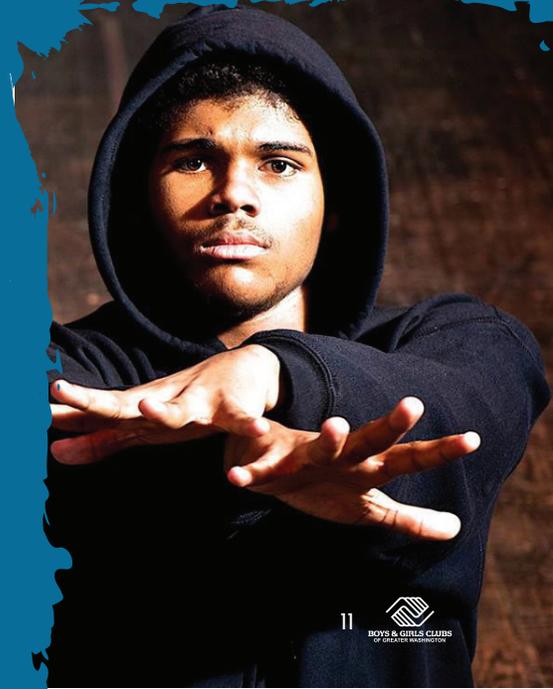
It was during my time at TAP, as a participant turned intern turned ambassador, that the frame of my artistic identity became more of a realization than a distant ambition. TAP helps to change this reality, especially because it does not operate as a second rate experience or a lousy replacement. Frankly put, the artistic information and opportunities that my peers and I received at TAP, for which we paid virtually nothing, easily put us in competitive standing with other artists our ages who have paid thousands for other programs. I appreciate TAP's pathway for me to earn my music degree from the Peabody Conservatory. Today I am a classically trained vocalist and composer, music producer and arts educator focused on underserved youth. The impact of TAP on my current career is undeniable. I am grateful for the strong influence of thoughtful arts programming in my life.



Thomas Booker

Actor

It was at the Jelleff Clubhouse where my artistic self flourished. I took guitar and drum lessons, learned many different elements of visual arts and met a director/mentor/father, Mr. Tony. It was at TAP camp that I was able to nurture my dream of becoming an actor and it prepared me for auditions and acceptance into Duke Ellington School of the Arts. As a senior majoring in drama at SUNY Purchase I attribute all that I am today to the mentors I met at BGCGW. I have never forgotten the connections I made at Jelleff and that's why I am always willing to work at any BGCGW.



Featured Art Ambassador

Each year the Teen Arts (TAP) Program has hired professional Art Ambassadors to conduct one to six week residencies for our daily arts programs as well as TAP camp. Since 2007 we have hired over 200 renowned Arts Ambassadors and arts educators ranging from the renowned Opera Diva Denyce Graves (a former DC Club Member) serving as Artistic Director for our first opera to the international award winning violinist Machiko Ozawa who served as our "String & Things" instructor. Together, our Arts Ambassadors and educators seamlessly integrate a cascading leadership and "near-peer" mentor pedagogy to work alongside interns from up to 25 of the nation's top arts institutions. Many of them are recruited specifically for our 2-3 week residential summer camp that has become an Interlochen for inner-city youth.



Carmen the Opera

Denyce Graves

From the Boys & Girls Clubs of Greater Washington to the MET

From the Metropolitan Opera in New York to the Vienna Staatsoper, Denyce Graves reigns in the world's greatest opera houses. She still recalls the early part of the journey being a member at the Eastern Branch Boys & Girls Club. The powerful Diva hasn't forgotten where her journey began and continues to conduct master classes for the organization. In 2014 Ms. Graves served as Artistic Director for the world premier of Qadar Opera that featured Boys & Girls Club performers; the work is the first ever-commissioned opera by the Smithsonian and Sultanate of Oman created by Tony Small. It debuted at the Kennedy Center on September 17 - 20.

Ms. Graves began her vocal studies at Duke Ellington School of the Arts in Washington, D.C. She now regularly visits the next generation of performers at her high school alma mater so as "to encourage them on their journey and to excite them about music making," says Graves. She continued her education at Oberlin College Conservatory of Music and the New England Conservatory. Ms. Graves is the recipient of many awards including the Marian Anderson Award, presented to her by Miss Anderson. In 2015, she was inducted in the Boys & Girls Club of America's Hall of Fame - the only BGCGW former club member to be inducted.

SPEARS

(Strategic Partnerships in Education, Arts, Research & STEM)

"A Convergence Zone for the seamless management and innovation of best practices and scalable pathways in STEM programming for the Boys & Girls Clubs of Greater Washington." - **Tony Small**

SPEARS serves as the management and research umbrella for BGCGW's STEM and Arts Programs. Over the last decade, BGCGW's investment in STEM programming has grown. In May 2016 we were recognized as one of the nation's top 50 Arts & STEM programs by the President's Arts & Humanities committee – the first Boys & Girls Clubs to receive the award in the program's 25 year history.

While there is no single program, curriculum or STEM experience that will solve the equity and pipeline issues around STEM, research finds that meaningful STEM learning occurs as a result of multiple engagements, provided over an extended period of time. Furthermore, studies find that youth from underrepresented populations need multiple entry and re-entry points to effectively engage in STEM. Working from a year-round, facilities based model, BGCGW is uniquely positioned to provide those multiple entry points.

Implementation of a comprehensive SPEARS strategy across BGCGW will help level the field of STEM education and workforce readiness for nearly 15,000 youth, enabling enhanced economic security for our nation and great futures for the youth who need us most.

AAAS

(American Association for the Advancement of Science)

A AAS seeks to advance science, engineering, and innovation throughout the world for the benefit of all people. It is the world's largest multidisciplinary scientific society and a leading publisher of cutting-edge research through its Science family of journals. AAAS has individual members in more than 91 countries around the globe.

The program gives children opportunities for learning through observation, experimentation and the process of discovery. AAAS oversees the development of the curriculum, recruits and trains teachers, makes site visits, provides materials to each host site, and evaluates all aspects of the program.

At the Science in the Summer pilot launch (2011) for BGCGW, participants learned the scientific method with a song and created a rap to learn the elements of the periodic table. Students demonstrated the differences between the states of matter by doing the molecule dance. Having Science in the Summer at the Boys & Girls Clubs of Greater Washington exposes the children to a curriculum that they may never see until they get to middle school.

Pepco STEM Club

Pepco and Discovery Education joined forces in 2012 with the Boys & Girls Clubs of Greater Washington to support youth achievement in science, technology, engineering, and math with an exclusive initiative available only at select Boys & Girls Club sites. Collectively known as STEM, these crucial elements of 21st Century education are integral to success, both in school and out.

With the Pepco STEM Club, we hope to ignite the intellect and imaginations of our club youth so they can prepare for the jobs of tomorrow. The Club allows youth to engage with real world examples that put into practice the concepts and theories related to the multiple STEM disciplines. Our club youth are able to explore, discover and begin to understand how the world around them is possible through the concepts and theories learned in related STEM disciplines. By introducing the club youth to both concepts in STEM as well as the real world applications of the concepts, the club youth can more successfully apply STEM to their daily lives.



Visual Arts Academy

Building on existing music sessions and expanding programming to include the visual arts, the Visual Arts Academy (VAA) introduces students to painting, drawing and the digital arts such as digital photography and graphic design. Since 2016 students have learned vocabulary, concepts and practices of art through studio art projects; instructors have led hands-on art activities along with critique and discussion of composition, style, method and materials. Students develop an appreciation for value, form, color theory, light and shadow, combining the basic skills and insights necessary to create works of art that are both technically sound yet expressive.

In the VAA, students gain a new perspective as well as confidence in their own vision of the world. The program is supplemented with sessions led by local visiting artists, and take field trips to art museums and galleries, including The Phillips Collection and Kreeger Museum. The course concludes with a final exhibition curated by the students and presentation of their portfolio of work. Students also have the opportunity to submit their work to Boys & Girls Clubs of Americas's National Fine Arts Exhibit and ImageMakers Arts competitions.

Zirkin Club Tech

The Zirkin Club Tech (ZCT) program, started in 2013, provides activities that teach members crucial technology skills to help them advance their academic success and to be prepared to be productive citizens. Funded through generous support from the Harold and Nancy Zirkin Foundation, ZCT offers more than 20 curricula, resources and training experiences to enhance learning and skill development in areas such as basic software, engineering design, movie production, robotics, sound production and facilitation of (non-STEM trained) staff delivery of related activities.

Developed by Lemond Brown, the ZCT program has impacted more than 5,000 youth through class sessions, special events, and staff training. As attendance has increased and members have shown a keen interest in the activities provided by Zirkin Tech, initiatives such as #STEAMtheBlock were created to provide youth, specifically teens, with more opportunities for impactful programming.

Currently the ZCT program serves approximately 100 youth each week from six different Clubs around the DC, MD, VA region. These young scholars are developing digital portfolios to document their created works including music, digital photos and videos, 3D designs and prints as well as testimonials about their experiences. This program model has been featured in national and international platforms to highlight its unique approach to engaging young people in culturally relevant ways that intentionally use creativity to teach STEM.

Stay Tuned...

Projects that need your support

BEE-BUG

Building Entomological Ecosystems & Biomimetic Utilitarian Gardens



The BEE-BUG transformation is a project in which BGCGW will be the community anchor for intergenerational programming, attracting all ages and enhancing the Fort Circle Park's use. BEE-BUG aims to address social welfare issues such as food production, education and daycare services. BEE-BUG will teach environmental stewardship through conservation systems highlighted throughout Fort Circle Park.

BEE-BUG takes its theme from RUKA, an educational eco-musical about the bug kingdom, developed by

Tony Small, Artistic Director at BGCGW. The project began with the need to establish a safe connection with DC Prep (Benning Elementary Campus) located on the same block as the club, but separated by Fort Circle Park. Within the immediate area there is uniform poverty and an unemployment rate of 23%, meaning that nearly one quarter of the population does not have the financial means to maneuver autonomously within the current economic system.

Boys & Girls Clubs of Greater Washington's

Holiday Sing

Saturday, December 9th
6:00 P.M. @ The Kennedy Center

Stay tuned for more details on the debut of our first annual Holiday Sing Fundraiser. Join us and guest artists who will help debut a BGCGW Children's choir celebrating holiday traditions around the world.

Hosted By



Maurette Brown-Clark



Eric Benét



Qadar the Opera
By Tony Small
2014

For more information about opportunities to volunteer,
partner or intern you can contact us at
Boys & Girls Clubs of Greater Washington Headquarters
@ 202.540.2300 or at tsmall@bgcgw.org

Boys & Girls Clubs of Greater Washington Headquarters
4103 Benning rd NE, Washington, DC 20019
<http://www.bgcgw.org/>

STEAM Appendix



Being a teaching artist intern at TAP Camp changed the trajectory of my artistic career. I had always been a performer committed to social issues and arts access, but having the opportunity to create alongside youth living on the margins recommitted my efforts to become a better advocate and change agent in arts education. Now, in my role as an arts administrator working at Carnegie Hall, I strive to build pathways for youth like TAP Camp kids all across the country to create daringly and reimagine the future of art. I am fortunate to still stay in touch with a number of the students I worked with that summer, and am inspired by the well-round young adults they have become, as well as the beautiful ways that the arts remain visible in their lives. We oftentimes talk about how TAP Camp impacts youth, but this teaching artist intern was also profoundly touched by this program.

Karen Cueva

Former TAP Intern | Masters from The Juilliard School and Harvard University

10 Years of Ambassadors

2007

Dramatic Solutions featuring Dr. Carmen White and Lenny Smith (Multidisciplinary Arts Programming)
Cacho African Drummers and Dance Company with Bonita Cacho

2008

Cocha & Contracted Resident Artists Company Eastern's
Resident Arts Program and **Andinkra African Drum & Dance Company**

2009

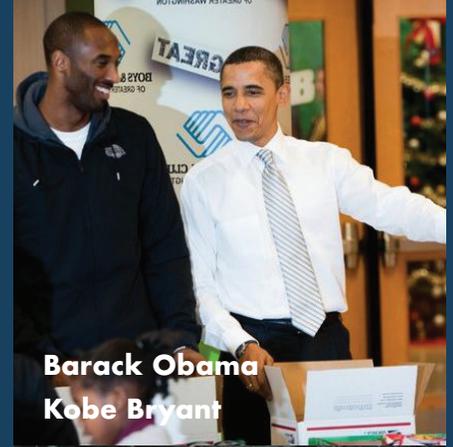
Brian Culbertson (Grammy nominated Jazz Pianist)	Kishna Davis (Renowned Soprano/Juilliard Graduate)
Caleb Jones (Assistant Artistic Director)	Cantor Lisa Levine (Jewish Traditions in music)
Glen Simms (Pincipal Dancer with Alvin Ailey)	Alajandro Rodrigues (Theatre/Juilliard Graduate)
Delfeayo Marsalis (Jazz Trombonist)	Chelsey Green (Viola/Violin)
Jarvis Benson (Violist/Peabody Graduate)	Pyramid Atlantic Arts Center
Robin Fay Massie (Violist, Orchestra Director)	Mauricio Salgado (Theatre)
Cornelius Jones (Broadway's Lion King & TV Actor)	Helen Hayes Theatre Program

2010

Juilliard Summer TAP Camp Residency
Juilliard Faculty International Jazz Camp Residency including:
Ben Wolfe, Rodney Jones, Frank Kimbrough, James Burton,
Carl Allen, Ron Blake and Randall Hayward
Pyramid Atlantic Arts Center
YPT: Young Playwrights Theatre Projects
Washington Studio School (Scholarship for gifted teens)
Caleb Jones (Cellist & Assistant Artistic Director)
Noble and Nate Jolley (Percussion and Piano)
Washington Opera's Look-In and Resident Artists
Kennedy Center's NSO (National Symphony Orchestra)
Interns from 25 Universities

2011

Mauricio Delgado (Theatre)	Chelsey Green (Violin/Viola – String & Things)
Alvero Maldonado (Ballet Teatro International)	Caleb Jones (Cello)
Joel Bergner (International Muralist)	Howard University Interns
Juliette Jones (Strings and orchestration)	Kennedy Center's NSO
Shayna Small (Theatre)	John Pearson/Beat Ya' Feet Kings (Hip Hop Dance)



Barack Obama
Kobe Bryant



BRANDY



Elsa Bass



Alvaro Maldonado



Juliette Jones



Jeremiah Welch

Dr. Ryo Yanagitani



Tariq Al-Sabir



Victor Provost



Caleb Jones



Denzel Washington



TULANI



2012

Juliette Jones (Strings)
 Fabian Barnes & the Dance Institute of Washington
 Torens Johnson (Dance)
 Shayna Small (Theatre)
 Mauricio Salgado (Theatre)
 Grant Harvey (Theatre/Stage Production)
 Integriti Reeves (Jazz & Vocal) & DC Jazz Festival
 Joe Coleman (Vocal & Music Industry)
 Marvin Burton (Music History)
 Landon White (Journalism)
 Mary Anne Riley (Visual Arts)
 Joel Bergner (Visual Arts)

Victor Provost (Percussion & Steel Pan)
 Nathan Jolley (Percussion & Drums)
 Vasko Dukovski (Woodwinds)
 Dr. Andrei Pidkivka (Woodwinds)
 Frederic Yonnet (Harmonica)
 Scott McCormick (Folk Music & Industry)
 Dr. Guthrie Ramsey (Jazz Band & Piano)
 Bryan Taylor Johnson (Photography & Fashion)
 Kennedy Center's NSO
 Hakeem Bilal (Brass)
 Chelsey Green (Strings)
 Raydar Ellis (Hip Hop)

2013

Joe Coleman (Vocal & Music Industry)
 Nathan Jolley (Percussion & Drums)
 Dr. Ryo Yanagitani (Pianist)
 Dr. Andrei Pidkivka (Woodwinds)
 Keni Fine (Playwright & Theatre)
 Kirov Ballet & Oscar Hawkins
 The United States Jazz Ambassadors
 Solomia Gorokhivska (Strings)
 Szymon Markiewicz (International exchange)
 David Ibata (Visual Arts)

John Hoon Kim (Featured Intern George Mason)
 Tariq Al-Sabir (Featured Peabody Intern)
 Vanessa Naghdi (Opera)
 Nova Payton (Musical Theatre)
 Gary Richardson (Bass)
 Exalt Brass (4 Peabody Interns)
 Shayna Small (Theatre)
 Mike Gary (Guitar)
 Rashida Jolley (Harpist & Anti Bullying Project)
 Chelsey Green (Strings)

2014

Denyce Graves (World Renowned Mezzo-Soprano)
 Rashida Jolley (Harpist)
 Shayna Small (Theatre)
 Keni Fine (Playwright & Theatre)
 Elsa Bass (Musical Director)
 Grant Harvey (Theatre/Stage Production)
 Vasko Dukovski (Woodwinds)
 Dr. Andrei Pidkivka (Woodwinds)
 Frederic Yonnet (Harmonica)
 Corinthia Cromwell (Saxophone)
 Exalt Brass (4 Peabody Interns)
 Scott McCormick (Visual Artist)
 Joel Nygren (Pianist)
 Hakeem Bilal (Bass Trombone)
 Joel Berger (Visual Arts)
 Bryan Taylor Johnson (Photography & Fashion)
 Mary Anne Riley (Visual Arts)
 Robert Romano (Photographer & Filmmaker)
 Dr. Ryo Yanagitani (Pianist)
 Mauricio Salgado (Theatre)

Ray Mercer (Modern Dance)
 Kirov Ballet & Oscar Hawkins
 Alvaro Maldonado (Ballet Teatro International)
 Pierre Lockett (Joffrey Ballet)
 John Pearson/Beat Ya' Feet Kings (Hip Hop Dance)
 Erica Lynette Edwards (Joffrey Ballet)
 Fabian Barnes & the Dance Institute of Washington
 Juliette Jones (Strings)
 Victor Provost (Percussion)
 Byung Kang (Peabody Conservatory)
 Lemond Brown (Hip Hop Artist)
 Geno Regist (Music Producer & Sound Engineer)
 Tariq Al-Sabir (Peabody Conservatory)
 Joe Coleman (Vocal & Music Industry)
 Taylor Boykins (Peabody Conservatory)
 Lori Williams (Jazz Vocalist)
 Dr. Somolia Gorokhivska (Strings)
 Chelsey Green (Strings)
 Szymon Markiewicz (Pianist)
 Mike Gary (Guitar)
 Pierre Lockett (Joffrey Ballet)

2015

CAST from TRUTH the Musical:

April Nixon* - Sojourner Truth
 Ashley Ware Jenkins* - Mama Isabella, Ensemble
 Thaddeus McCants* - Peter Williams
 Beth Amann - Mrs Dumont, Miss Olive, Ensemble
 Brandon Mack - Fiddlesticks, Ensemble
 Nurney - Zipper, Popple, Ensemble
 Thomascena (Tomi) Nelson - Auntie Bee, Ensemble
 Nia Simone Smith - Mau Mau, Ensemble
 Will Hawkins - Master Charles, Reverend Bullworthy
 & Ensemble
 DeCarlo Raspberry - Cash, Trunk & Ensemble
 Roy Patten, Jr - Sydney, Ensemble
 Harv Lester - Master Dumont, Mayor Hightower,
 & Ensemble
 Drew Tillman - Young Isabella
 Erikah Garnett - Sojourner's daughter
 Erica Jenkins - Sojourner's daughter
 Kevin Davis - TRUTH dancer
 Jazzy Fryar - TRUTH dancer
 Adam Johnson (Guitar)
 William "Speedy" Truss (Percussion)
 Dr. Solomia Gorokhivska (Strings)
 Dr. Andre Pidkivka (Woodwinds)
 Keni Fine (Playwright)
 Tony Small (Composer)
 Oscar Blustin (Director)
 Princess Mhoon (Choreographer)
 Torens Johnson (Choreographer)
 John E. Pearson (Choreographer)
 Collin Ranney (Costume Design)
 Joyce Milford (Scenic Design)
 Adrian Rooney & Xena Petkanas (Lighting Design)
 Ben Andersen (Stage Management)
 Walter Ware III (Casting)
 Michael Biagi (Rehearsal Music Director)
 Zacharie Ambroise (Tenor Saxophone)
 Justin Jrok Young (Bass Guitar)
 Marvin Burton (Keyboard)

Tech Staff & Interns

Anaia Jacobs (Set Design)
 Imari Sydnor (Set Design)
 Giovanni Warren (Asst. Stage Manager)
 Sharonda Moss (Asst. Stage Manager)
 Roman Bennett (Sound/Stagehand)
 Deme Wharton (Lighting)
 Desne Wharton (Sound)
 Michael Wood Jr. (Sound)
 Aaliyah Culmer (Set Design/ FOH)
 Akira Belton (Set Design/ House Manager)
 Edwards Majeris Mckinney (Stagehand)
 Aeon Johnson (Stagehand)
 Camille Shorter (Set Design/ FOH)
 Reginald Jackson (Front of House)
 Alicea Kouyate (Front of House)
 Khalil Reid (Front of House)
 Gabrielle McCarley (Front of House)
 Nolvert Garcia
 Kimberly E. Douglas
 Mark Mack Fitzhugh
 Joyce Milford
 Kalea Selmon
 Joseph Walker Theron Hopkins
 Eric Harris
 Demetrius Cole
 Doncarroll Green Crescent Haines

Brandy (Actress/Singer)

Dr. Ryo Yanagitani (Pianist)
 Raymond Bokhour (Writer/Author/Composer)
 Cantor Lisa Levine (Composer/Recording Artist)
 Maurette Brown Clark (Gospel Recording Artist)
 Doreen Vail (Singer/Author/Speaker)
 Shayna Small (Actress/Director)
 Chelsey Green (Violinist)
 Victor Provost (Steel Pan/Percussionist)
 Machiko Ozawa (Concertmaster/Violinist)

2016

Avik B. Ganguly (Entrepreneur)
 Mary L. Bowden (Aerospace Engineer)
 Mark C. Cherry (Aeronautical Engineer)
 Richard B. Isaacman (Astrophysicist)
 Benjamin Alvin Drew (Colonel, USAF, ret.)
 Michael K. Chapman (Computer Engineer)
 Lt. Col Tucker "Cinco" Hamilton (Fighter Pilot)
 Louis A. Mayo (Planetary Scientist)
 Supriya Banerjee (Scientist)
 Sandra H. Magnus (Astronaut/Engineer)
 Dr. James M. Turner (Physicist)
 Will Jenkins (Electrical/Computer Engineer)
 Christopher Williams (Molecular Biologist)
 Dr. Solomia Gorokhivska (Master Violinist)
 Dr. Andrei Pidkivka (Master Flutist)
 Tricia Sumarijanto (Angklung)

The Great Zucchini (Magician)

Baba Ras D (Master Educator)
 Jeffery L. Tribble, Jr., J.D. (Composer/Entrepreneur)
 Alissa Gittens (Singer/Entrepreneur)
 Dion Cunningham (Master Pianist)
 Dion Wright-Nelson (Drummer/Educator)
 Anita Garcia (Orchestrator/Master Educator)
 Heather Sewell (Writer/Entrepreneur)
 Mariama Kabia (Entrepreneur)
 Christopher Weber (Doctor/Scientist)
 Yoko K. Sen (Sound Alchemist)
 David Warren (Pianist/Entrepreneur)
 Amber Liverpool (Computer Scientist)
 Stephen Waddy (Producer/Guitarist)
 Wayne Jennings (Lyric Tenor)
 Terri Allen (Educator/Columnist)
 Dr. Lester Green (Pianist/Educator)



Corey Hawkins



Tricia Sumarijanto



John Kim



Cole Thomas



Dr. Andrei Pidkivka



Machiko Ozawa



Alexis Claros

is a Washington D.C. native and has just recently earned his Masters in Architecture from Morgan State University. As a former member of George M. Ferris, Jr. Clubhouse #6, Alex realized that the Clubs offer more than a place to play sports; they offered a place where one is safe and free to learn and grow. For the past four years Alex has served as a STEAM Educator & Architect Fellow at BCGGW cultivating the minds of young people, exposing them to STEAM and preparing them to be critical and resourceful in their own lives. As a design professional, he has developed the sensibility to look at design as a universal concept which allows him to communicate in multiple design mediums. Alex uses his design methodology across disciplines to create signage, posters, brochures, marketing schemes, clothing, architectural designs, sculptures, and most importantly to educate.



Asia Williams

joined the STEAM Team in December of 2015 as a Research Associate. Her primary job responsibility is to collect data about BCGGW STEAM programs with a specific focus on Zirkin Club Tech/#STEAMtheBlock. Before working at BCGGW, Asia facilitated the launch of a Title I elementary school's STEM program. She is currently a doctoral student at George Mason University with a specialization in Multicultural, Multilingual Education. She earned a Master of Science degree in Educational Psychology from George Mason University. Asia graduated cum laude from the University of Pennsylvania where she earned a Bachelor of Arts degree in English with a dual minor in Afro-American Studies and Theatre Arts.



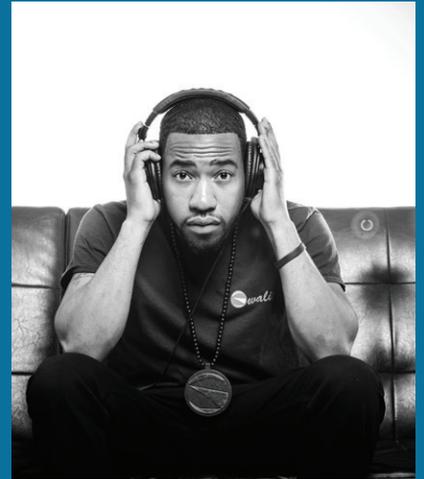
Jimmy Works

began working with BCGGW in conjunction with the American Association for the Advancement of Science (AAAS) three years ago as a STEAM Consultant. Jimmy currently serves as the lead instructor for the AAAS Science in the Summer program – a fun and exciting program that brings hands-on/minds-on experiments and inquiry based learning to program youth. Going forward Jimmy will be running the Zirkin Tech program.

After graduating from Morgan State University with a Bachelor of Science in Biology, Jimmy joined the Baltimore City Teaching Residency, a highly selective cohort of recent graduates and career changers committed to raising student achievement in Baltimore's highest need schools. In addition to his role with BCGGW, Jimmy serves as a middle school science educator and science department lead in Baltimore City. He is currently pursuing a Master of Science in Education with a concentration in Educational Studies from the Johns Hopkins University School of Education.

Lemond IMAG Brown

is an educator, music artist, and philanthropist born in Washington, D.C. Lemond aka IMAG continues to give consistently to those in need. After graduating with a BS in Architectural Engineering from Drexel University in 2012, Lemond returned to Washington, D.C. and founded the Swaliga Foundation with the mission of inspiring young people to find their true passion. Recently featured on TEDxMidAtlantic, Lemond has become a pioneer in the field of STEAM education. For the past two years, Lemond IMAG has been piloting a groundbreaking new program known as #STEAMtheBlock (#STB) in D.C., Maryland and Virginia Clubs.



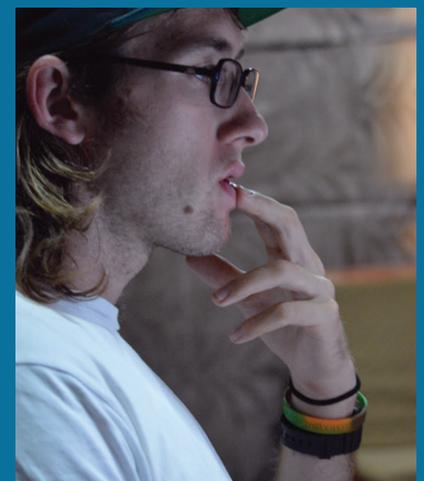
Lily Banning

has spent the last eight years working both domestically and abroad in the field of education. She is a social entrepreneur, advocate for the arts and a community organizer. After receiving her Bachelor of the Arts in Italian Studies from the University of California Santa Cruz, she relocated to Italy to pursue a career in international education. In 2013, she returned to the United States for a position at the Institute of International Education with the Fulbright Visiting Scholar Program. As the Cultural Arts & STEAM Manager at BGCGW, Lily served as the point of contact for STEAM programming for 14 sites in Washington D.C., Maryland and Virginia. Overseeing visual arts programming, partnership development and grant administration, she creatively engaged with and contributes to her community. In 2016 she launched the Visual Arts Academy – an arts program that exposes BGCGW youth to technique, art history and local arts initiatives.



Max Rewak

is an audio engineer, musician, producer, and STEAM educator. After graduating magna cum laude with special honors in International Affairs from George Washington University, Max relocated to the Agahozo-Shalom Youth Village (ASYV) in Rwamagana, Rwanda. At ASYV, Max served as a Long-term Fellow specializing in audio production. His contributions to the Village included making music with students, teaching Ableton Live and Logic Pro X, demonstrating proper recording techniques, grounding students in the concepts of signal flow and basic audio theory, producing, engineering, mixing and releasing an album written and performed by students. His time at ASYV culminated with the release of "See Far" by ASYV in February 2016. Max served at BGCGW as a Technology Specialist where he supported young artists and future technological adepts.





Dan Chadburn & Tom Nichols

Ferris Family Foundation

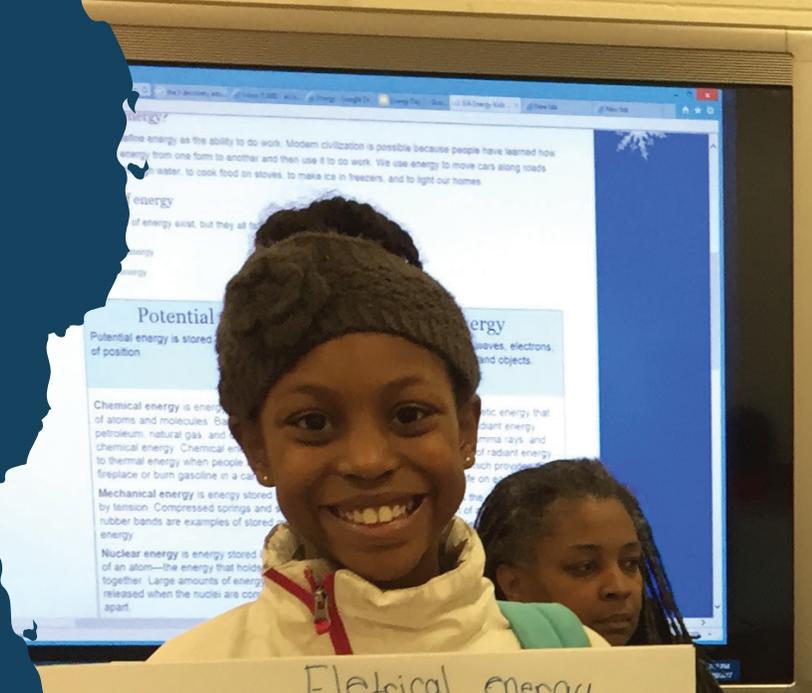


Juilliard





Icon 2013



Electrical energy
 is delivered by tiny
 charged particles called
 electrons. Examples:

Phones energy Computer

Sound
 Is the movement
 of energy through
 longitudinal
 waves.

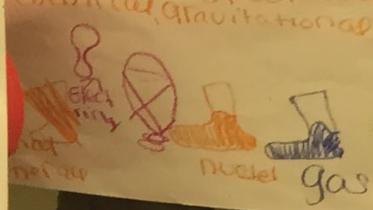
sound

technology engineering



of substances
compression/expansion

2.4 Energy form
Energy can be either potential or kinetic. Energy comes in forms: chemical, gravitational, mechanical.



**A Safe, Positive Environment - Fun - Supportive Relationships
- Opportunities and Expectations - Recognition**



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With Artistic Direction by Denyce Graves
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