



STEAM PLUS

2020 - 2021 REPORT

THE
BASS

steAm+

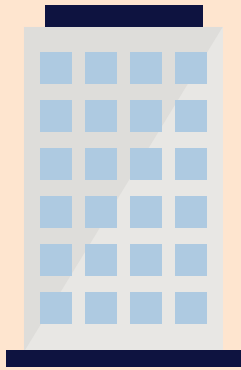


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FAST FACTS

(General)

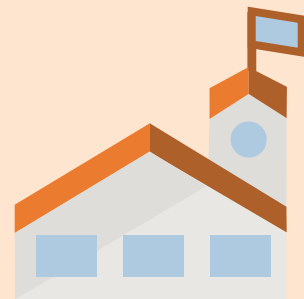


10 PARTICIPATING ORGANIZATIONS:

- The Bass Museum of Art
- Hack Shack
- Helping Hands
- Jewish Museum of Florida – FIU
- Miami Beach Botanical Gardens
- Miami City Ballet
- Miami New Drama
- New World Symphony
- Wolfsonian – FIU
- Young Musicians Unite

7 MIAMI BEACH PUBLIC SCHOOLS:

- Biscayne Beach Elementary
- Miami Beach Fienberg Fisher K-8 Center
- Miami Beach Nautilus Middle
- Miami Beach Senior High
- Miami Beach South Pointe Elementary
- North Beach Elementary
- Treasure Island Elementary



FAST FACTS

(Participation 2020-2021)



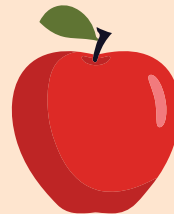
1,127
Instructional Hours



4,310
Students Reached



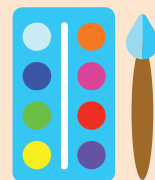
254
Unique Interactions



209
Classrooms Reached



31
Partnerships Between
Organizations and
Grade Levels/Subjects



47+
Teaching
Artists
Employed*

* Not including Miami Beach Sr. High
Robotics Team mentors

FAST FACTS

(Participation 2020-2021)

STEAM DESIGNATIONS FOR THE 2020-2021 ACADEMIC YEAR:



GOLD

- Biscayne Beach Elementary
- Miami Beach Fienberg Fisher K-8 Center
- Miami Beach Senior High
- Miami Beach South Pointe Elementary
- North Beach Elementary
- Treasure Island Elementary



SILVER

- Miami Beach Nautilus Middle

EXECUTIVE SUMMARY

From October 2020 through June 2021, the City of Miami Beach Commission and Mayor Dan Gelber, in partnership with the Miami-Dade County Public Schools System (M-DCPS), approved funding for the STEAM Plus program, which integrates arts and culture into the core curriculum of local public schools.

The Bass continued to manage partnerships between cultural organizations and Miami Beach public schools, emphasizing the integration of the arts into core subjects such as science, engineering and math, which helps public schools attain their STEAM designation. The Bass serves as a bridge between the City of Miami Beach's schools and the partnering institutions, thus alleviating pressure on the STEAM coordinator at each school. Additional support is also provided by The Bass' manager who works closely with the schools in preparing for their M-DCPS STEAM designation visits, STEAM partnerships, STEAM Showcases, STEAM designation applications and submissions to ensure they receive a gold, silver, bronze or participant designation.



The 2020-2021 STEAM Plus program featured a total of 10 total cultural organizations: The Bass Museum of Art, Hack Shack, Helping Hands (formerly Miami Beach Bots), Jewish Museum of Florida – FIU, Miami Beach Botanical Gardens, Miami City Ballet, Miami New Drama, New World Symphony, Wolfsonian – FIU and Young Musicians Unite. These cultural institutions were paired with a total of 7 Miami Beach public schools: Biscayne Beach Elementary, Miami Beach Fienberg Fisher K-8 Center, Miami Beach Senior High, Nautilus Middle, North Beach Elementary, South Pointe Elementary and Treasure Island Elementary. The partnership between Miami's cultural institutions and the city's local public schools helps to create the next generation of inventors, explorers, innovators, artists and leaders.

EXECUTIVE SUMMARY (cont.)

By engaging students around the subjects of Science, Technology, Engineering, Art and Math, the STEAM Plus program aims to spark an interest in and life-long appreciation of the arts and sciences in children from an early age. Developing a relationship with the arts helps learners to develop creative problem-solving skills, present difficult concepts visually and help children with the development of motor skills, language skills, social skills, decision-making, risk-taking and inventiveness.

The longevity of COVID-19 pandemic's impact presented unique challenges for the Steam Plus program, all of which provided opportunities for growth and improvement. Examples include, the district switching platforms from MSO to Zoom, scheduling uncertainty related to a phased return to in-person schooling and Zoom fatigue amongst middle and high school students. To alleviate, The Bass will work closely with the district to avoid conflicts and encourage cultural organization practitioners and teachers to attend professional development workshops. Additionally, attendance and participation was somewhat affected by poor internet connections or multiple students sharing one device, exposure to or positive COVID-19 cases and virtual communication between teachers, administrators and students.

Looking ahead towards the 2021 – 2022 academic year, The Bass is excited to manage another exciting and successful iteration of the STEAM Plus program. At the time of this report, the Miami Dade County Public School's were still working out the logistics of in-person and MSO schooling. As such, The Bass is in constant contact with partnering organizations to ensure all will be ready to implement the program either virtually, or in person, or a hybrid of both. Plans include a continued provision of STEAM Plus Kits, regular reporting, professional development workshops and introductory meetings. Additionally, upon review of evaluation data, improvements will be made in facilitating communication efforts between cultural organization partners, teachers, parent/guardians, and students. The Bass is proud to serve its community with the STEAM Plus program with the continued support of the City of Miami Beach Commission, Mayor Dan Gelber and M-DCPS.

EXECUTIVE SUMMARY (cont.)

For the 2020-2021 year, the following key achievements were accomplished through the STEAM Plus program:

- ★ Served 4,310 students (about 64% of the public school student population of Miami Beach) which represents a 47% increase compared to the total number of students served in 2019-2020. Total includes ESOL and ESE participants in every school.
- ★ Facilitated 31 partnerships, serving 209 classes and 191 classroom teachers.
- ★ 1,127 hours of instruction.
- ★ COVID-19 response included transition to virtual learning for the full academic year, featuring STEAM Plus Kits for all participating students and teachers. Kits were catered for each cultural partnership and included all supplies required to ensure student access whether at home or in-school.
- ★ Professional development courses provided teachers with an enhanced understanding of how to incorporate the arts through STEAM and utilize technology skills for online learning.
- ★ Virtual field trips allowed students to explore local cultural institutions from the safety of their homes/classrooms, allowing them a creative escape into gardens, exhibitions and concert halls.
- ★ Facilitated mentoring partnership between Miami Beach Senior High Robotics Club students and Miami Beach Nautilus Middle school students.
- ★ The Bass, Miami City Ballet, The Wolfsonian – FIU and Young Musicians Unite produced innovative virtual culminating events which provided moments for students to showcase their work to parents and families and created space for students to take pride in their achievements during unprecedented times.
- ★ Student achievements included several students participating in an authentic assessment showcase, displaying their artwork at Miami Dade College North for the Miami Dade County STEAM Expo and in local South Florida galleries. Additionally, ten students received placement in Miami City Ballet's after-school program.
- ★ Over 45 local teaching artists and or/performers were supported by their STEAM Plus employment.

EVALUATION

Student Survey Responses

Survey Results	2020-21	2019-20	2018-19 (pilot)
% Response rate for <u>students</u>	10%	14%	11%
# Surveys from <u>students</u>	457	415	252
% of <u>students</u> that agree or strongly agree (includes neutral) with the following survey prompts:			
They enjoyed the project(s) they did with their partnering organization	97%	96%	*
Helped them understand topics we are learning about in other subject areas	95%	*	*
Partnerships allowed them to use their imagination	98%	95%	*
They enjoyed attending class on the days the partner organization visited	96%	94%	92%
They wished the partner organizations would visit their class more	96%	93%	*
Student overall satisfaction rate	98%	94%	*

* Indicates measure was not tracked and/or conducted during the reporting period

EVALUATION

Family Survey Responses

Survey Results	2020-21	2019-20	2018-19 (pilot)
% Response rate for <u>families</u>	1%	5%	3%
# Surveys from <u>families</u>	31	138	61
% of <u>families</u> that agree or strongly agree (includes neutral) with the following survey prompts:			
The STEAM Plus program activities have positively changed my child's educational performance	100%	91%	84%
My child liked participating in the STEAM Plus program activities	100%	95%	87%
My child was comfortable with the instructor that was provided	100%	96%	85%
I would recommend this program for other classes	100%	96%	95%
I would like to see my child's school continue to participate in the STEAM Plus program	100%	96%	95%
Family overall satisfaction rate	100%	100%	82%

EVALUATION

School Administration and Teacher Survey Responses

Survey Results	2020-21	2019-20	2018-19 (pilot)
% Response rate for Admin/Classroom Teachers	19%	53%	48%
# Surveys from Admin/Classroom Teachers	45	61	41
% of Admin/Classroom Teachers that agree or strongly agree (includes neutral) with the following survey prompts:			
The STEAM + program was an extension of my classroom, assisting me and my students, to better understand topics that were being discussed in class	100%	89%	*
Overall, the guest organizations assisted me with incorporating STEAM (Science, Technology, Engineering, Arts, and Math) into my curriculum	100%	87%	*
Overall, my students were comfortable with the guest teacher(s)	100%	87%	76%
Overall, the guest teachers were effective at working with students at my site	100%	89%	76%
Overall, the curriculum and activities were appropriate for the students at my site	100%	87%	80%
I would recommend these interactions for other classes/schools	100%	89%	78%
I would like to see my school continue to participate in the STEAM + program in the future	100%	90%	90%
The STEAM + program supported our school in gaining a STEAM Designation for the 2019 - 2020 academic school year	100%	87%	*
Overall, the program was well-organized	100%	90%	*
Admin/Classroom Teacher's overall satisfaction	100%	95%	82%

* Indicates measure was not tracked and/or conducted during the reporting period

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COMMENTS & TESTIMONIALS

Students

“

It was very informative and allowed me to be creative, as well as introducing information about the city of Miami Beach's most notable institutions.

My positive experiences was just being in class. It seemed more lively when it was a STEAM day!

I liked the STEAM program because it unleashed my creativity.

I think that the best thing from STEAM is partnership program is that it refreshes your mind of all science experience from all years.

”



COMMENTS & TESTIMONIALS

School Administration and Teachers

“

They loved making the sculpture and the pedestal because they felt like real artists. Just receiving the modeling clay they were super excited and rejoicing. Children love creating things. Ms. Illa is doing a wonderful job.

We are very pleased with the interactions that were held at NBE this year. They were all very organized and planned out nicely. The distribution of materials was handled nicely as well. The teachers and students really enjoyed the opportunities to collaborate.

The best about the STEAM+ program in accordance to our students: The students like to interact with the community Meet and learn from professional people Participate in vary activities

... I see students that have many difficulties really coming alive and wanting to get involved. Even when not receiving the help they needed they gave it their all. I love the program.

”



COMMENTS & TESTIMONIALS

Room for Improvement

SURVEY QUESTION



Things you wish you could change?

STUDENTS

I wish the program of STEAM would be longer.

I don't think I would change anything, but I would have more STEAM projects over the year because they are a very effective learning experience.

I wish the school includes this kind of programs as essential knowledge in a kids program in every grade.



SCHOOL ADMIN/TEACHERS

MSO students not getting home assistance from anyone and not quit understanding or able to do on his/her own.

Providing the materials in such an organized way was very helpful. Helping to review the cover sheets helps a lot too, as the documentation is very important. Perhaps providing teachers with ideas for follow-up activities depending on their institution? What about having an Instagram handle for social media presence and promoting the program? (Media releases would be needed of course.)

The only challenges were related to the virtual implementation because of COVID. I imagine that the level of student interaction and engagement next year when we are all physical in the classroom will be higher. However, overall the program was fantastic.

I think it would be best to plan/budget to start at the beginning of the school year.

July 14, 2021

To: City of Miami Beach Commission

I am writing this letter in support of the FIU Jewish Museum partnership in the STEAM Plus Program with Miami Beach Fienberg Fisher K-8. I am a teacher who facilitated this program with my 6th and 7th grade students. I was able to work with Luna Goldberg who set up everything and coordinated our virtual visits with the artist, Beatriz. These ladies developed a strong curriculum which addressed all aspects of STEAM and maintained a conducive relationship for learning and made my students extremely comfortable sharing their thoughts and ideas. Even though all sessions were virtual, my students were able to get the full experience of the program. We were taken on a virtual field trip and given the history of the museum. Then, my students were exposed to different artists who work with stained glass and viewed many pieces of artwork. Finally, for the culminating activity, the students were encouraged to create their own masterpiece with the materials provided. Not only were my students totally engaged in working on their creations, but the exposure to the Jewish culture and the significance of the designs in the stained-glass windows was captivated and transferred to their pieces. Often, in the classroom, we are forced to teach, teach, teach with no time for creativity and fun. This program allowed my students to learn something new which has relevance to their community and enjoy the process at the same time. We are looking forward to maintaining this partnership for the future and recommend this program for all students. If you require any additional information, please contact me. Thank you!

Sincerely,

Lisa Barron, Teacher

Miami Beach Fienberg Fisher K-8

lbarron@dadeschools.net

July 11, 2021


To the City of Miami Beach Commission:

For the last few years, you have shown an interest in making our city better by supporting our schools. You continue to make an impact on the quality of life of our Miami Beach children and future citizens by supporting our schools through the STEAM plus program. Miami Beach Fienberg/Fisher K-8 has benefited from working with different partnerships for the last three years. Thank you for your support of Miami Beach Fienberg/Fisher K-8 through the STEAM plus program.

Koren Illa from the Bass Museum has been an essential part of bringing together the vision of the STEAM plus program. As the STEAM Coordinator at Miami Beach Fienberg/Fisher K-8, I have been able to witness how the STEAM plus program brings opportunities for the children of Miami Beach to experience a connection to the real world by working with partnerships like Young Musicians Unite, the New World Symphony, FIU-Wolfsonian, the Jewish Museum of South Florida, and the Bass Museum.

The partnerships were able to connect to our students by having virtual visits. They would prepackage and send ahead of time any supplies needed for the standards driven STEAM lessons given by the teachers. Students learning from home, or the school site were given the opportunity to virtually meet and learn from local artists. It is amazing to see the joy in children when they are learning! It is important to provide our students with cultural and academic opportunities. Please continue to support our Miami Beach schools!

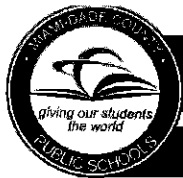
Sincerely,



Eloisa Menes

STEAM Coordinator

Miami Beach Fienberg/Fisher K-8



Miami-Dade County Public Schools

giving our students the world

Superintendent of Schools

Alberto M. Carvalho

School Principal

Dalia Villar

Assistant Principal

Massiel Lorenzo

Miami-Dade County School Board

Perla Tabares Hantman, Chair

Dr. Steve Gallon III, Vice Chair

Lucia Baez-Geller

Dr. Dorothy Bendross-Mindingall

Christi Fraga

Dr. Lubby Navarro

Dr. Marta Pérez

Mari Tere Rojas

Luisa Santos

June 2, 2021

Violeta Rodriguez
S.T.E.A.M. Liaison
Treasure Island Elementary School
7540 E. Treasure Drive
North Bay Village, FL. 33141

To the City of Miami Beach Commission:

I want to take a moment to thank you for the generous S.T.E.A.M. + program sponsorship provided to the students at Treasure Island Elementary School. As the S.T.E.A.M Liaison, I have had a pleasure to work with amazing individuals, not only with our teachers, but also the wonderful S.T.E.A.M. + partner teachers.

Ms. Shelly from the Miami City Ballet was amazing at capturing the Kindergartners focus and taught them content aligned mathematics and science standards through music and dance. Anamaria Correa ensured the Miami City Ballet program ran smoothly and was available at all times. Our 5th graders expressed themselves by creating science zines using artistic techniques and science content standards taught by Ms. Leila Thompson from the Wolfsonian Museum. Our 4th graders explored problem solving skills in both math and science with the use of technology and created 3D works with our partner teacher Mr. Hickey. Finally, Ms. Illa was a pleasure to work with, she facilitated communication with all partners, and our 2nd and 3rd grade students loved creating sculptures and competing in a STEAM challenge. Our students were always engaged in all the interactions. These interactions helped instill a love for exploration, develop confidence in all subject areas, and build real world connections.

Treasure Island Elementary school students, teachers, staff, administrators, and parents appreciate the wonderful enriching sponsorship opportunity provided by the S, T, E, A, M, + program. We thank you for your ongoing support and we hope that with your help, we will continue to expand our STEAM program and once again earn Gold Designation for the 2021-2022 school year. We look forward to next year's activities.

Thank you,

Violeta Rodriguez
S.T.E.A.M. Liaison

Dear City of Miami Beach

Our school has participated in the amazing STEAM PLUS program with the BASS Museum for a few years now. The program is one of the most expected extracurricular activities for children and teachers. The children, teachers, and parents all work together to make the experience a more fulfilling and engaging one for all stakeholders.

Not every day, children in our schools get the chance to mingle and learn from professional artists and work with them, while developing and producing multimedia projects that bring them closer to real world issues and the possible solutions.

This program allows children to become part of their world in a more active and responsible manner; no other program in my opinion has such a far-reaching and positive impact on the children.

Thanks so much for all that is given to our students, we truly hope this program expands and continues to illuminate the minds and hearts of our students; at the end we all try to develop the goodness in all of them and prepare productive members of society.

Mr. Riera
Second Grade
Fienberg Fisher K-8 Center

To The City of Miami Beach Commission:

First off, I would like to say thank you so much for providing our school with such an awesome collaborative program! The STEAM Plus Program has been such a tremendous success with our students and families. It has given our school a way to connect with the surrounding community. Personally, my students were able to collaborate with The Bass Museum. They absolutely LOVED It! The Bass Museum not only provided and worked with our students, but they also collaborate with the teachers to make sure that they create projects that were rightly aligned with the current curriculum being taught. My students were able to spend time creating amazing projects that were connected to a need in the community around them. They were able to see a real-world problem affecting their environment and think of ways to help. I hope to continue this collaboration for years to come.

Maranda Barretto, M.S.Ed.

Second Grade Teacher - Room 23

Fienberg-Fisher K-8 Center - Title I School

International Baccalaureate World School

Office: (305) 531-0419 **Fax:** (305) 534-3925

Email: barretto@dadeschools.net

Adriana Beatty
Kindergarten Teacher
MB Fienberg-Fisher k-8
Miami Beach, FL. 33139

To Whom It May Concern:

Working with the Bass Museum and Wolfsonian-FIU through Miami Beach's STEAM Plus program was an amazing experience for my students and myself. My students enjoyed the interactive materials and class projects. Ms. Thompson was very patient and encouraging with the students. They loved her and were excited and engaged while working on their projects.

To whom it may concern:

I am a father of two children who attend public schools in Miami Beach.

I strongly support the STEAM Plus program and urge you to continue to provide financing. Both of our children have participated in this enrichment program, and I feel, with no hesitation, that it is absolutely imperative that we continue to support these types of initiatives. If we want a future in which our children succeed in a world which is ever more competitive, we need to provide them with the tools to do so. I strongly urge the City of Miami Beach to invest in its children and their ability to deliver value, through innovation, in the future.

I appreciate your understanding.

Jeremy Clubb
+1 561 818 1395

PARTICIPATION INFORMATION

By School

BISCAYNE BEACH ELEMENTARY (Gold)



347
Students



107
Instructional
Hours



17
Classrooms



Partners:

- The Bass Museum of Art (K)
- Miami Beach Botanical Gardens (2nd)
- Miami City Ballet (1st)
- Wolfsonian Museum (3rd)

MIAMI BEACH FIENBERG FISHER K-8 (Gold)



497
Students



119
Instructional
Hours



24
Classrooms



Partners:

- The Bass Museum of Art (2nd)
- Jewish Museum of Florida - FIU (6th, 7th)
- New World Symphony (4th, 5th, 6th)
- Wolfsonian Museum (K)
- Young Musicians Unite (6th)

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PARTICIPATION INFORMATION

By School

MIAMI BEACH NAUTILUS MIDDLE (Silver)



187
Students



27
Instructional
Hours



8
Classrooms



Partners:

- The Bass Museum of Art (Biology)
- Helping Hands (6th, 7th, 8th)
- Jewish Museum of Florida - FIU (6th)
- Young Musicians Unite (6th, 7th, 8th)

MIAMI BEACH SENIOR HIGH (Gold)



1,691
Students



455
Instructional
Hours



91
Classrooms



Partners:

- The Bass Museum of Art
(9 - 12th Biology and Visual Arts)
- Jewish Museum of Florida - FIU (10th, 11th, 12th)
- Miami New Drama (9 - 12th Theater/Drama)
- New World Symphony (9 - 12th Music Department)
- Young Musicians Unite (6th)

PARTICIPATION INFORMATION

By School

MIAMI SOUTH POINTE ELEMENTARY (Gold)



283
Students



99
Instructional
Hours



15
Classrooms



Partners:

- The Bass Museum of Art (3rd)
- Jewish Museum of Florida - FIU (4th)
- Miami City Ballet (1st)

NORTH BEACH ELEMENTARY (Gold)



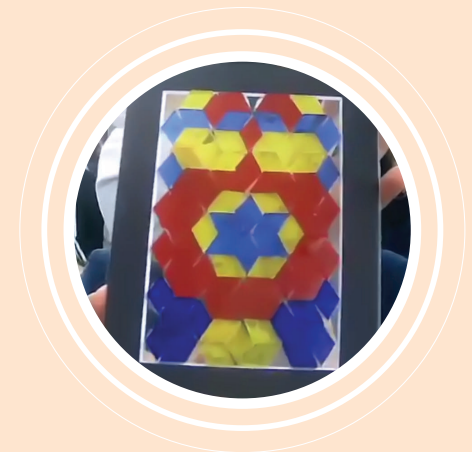
928
Students



166
Instructional
Hours



58
Classrooms



Partners:

- The Bass Museum of Art (5th)
- Jewish Museum of Florida - FIU (3rd)
- Miami City Ballet (K, 1st)
- Young Musicians Unite (2nd- 5th)

PARTICIPATION INFORMATION

By School

TREASURE ISLAND ELEMENTARY (Gold)



377
Students



154
Instructional
Hours



19
Classrooms

Partners:

- The Bass Museum of Art (2nd, 3rd)
- Hack Shack (4th)
- Miami City Ballet (K)
- Wolfsonian Museum (5th)



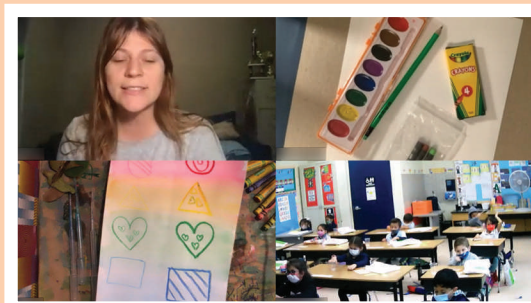
DETAILED INFORMATION

By Organization

THE BASS MUSEUM OF ART

Using contemporary art as a catalyst for learning, STEAM students created works which were later exhibited virtually and entered in district wide competitions. Students worked together to solve world problems relevant to Miami Beach like COVID-19, climate change, sea level rise and water pollution while creating art.

Using the materials provided in their STEAM kits like diode lights, electrical wiring, oil pastels, modeling clay, to design and create multidimensional sculptures and kinetic STEAM journals that light up once activated. Students participated in our STEAM Labs, learning about native south Florida plants and different animal/plant species. The student's visited The Bass virtually, touring our galleries and virtually interacting with our Art Outside exhibition - highlighting *Agua Dulce*.



DATA

- Total Students Served: 1,852
- Total Number of Classrooms Served: 67
- Total Number of Instructional Hours: 501
- Grades Served: All Grades

Partnered Schools (7)

- Biscayne Beach Elementary
- Miami Beach Fienberg Fisher K-8
- Miami Beach Nautilus Middle
- Miami Beach Senior High
- Miami Beach South Pointe Elementary
- North Beach Elementary
- Treasure Island Elementary

COMMENTS

STUDENT

It was a really fun activity to do during this time at home. It took my mind off of the things going on around the world. I really enjoyed using the materials as well, overall fun! Thank you :)

STUDENT

I learned a lot about endangered and invasive species, which made me look at the many manatees and iguanas I see around Miami Beach differently.

PARENT/FAMILY

My children did fun, creative, and interactive projects which they enjoyed. They are independent, so they did most of the work themselves, except for some brainstorming with my youngest.

SCHOOL

It was helpful to work with the teaching artist. She was positive and encouraging with my students. My students benefitted from working with another teacher as well as applying science learning to an project with an art outlet.

DETAILED INFORMATION

By Organization

HACK SHACK

HackShack's mission is to inspire curiosity and spark creativity through technology and play. In its digital sandbox, kids play with robotics, coding, design and learn critical thinking skills in a team-oriented environment. HackShack offered labs where kids explored technology to learn critical thinking and problem-solving skills. Throughout the partnership students learned how to design for print, web and prototyping (in 3D).



DATA

- Total Students Served: 81
- Total Number of Classrooms Served: 4
- Total Number of Instructional Hours: 48
- Grades Served: 4th

Partnered Schools (1)

- Treasure Island Elementary

COMMENTS

STUDENT

The art designing website I used inspired me to create new ideas.

SCHOOL

They enjoyed: meeting with Hack Shack weekly, interacting with presenter, creating different designs with the graphic design website.

DETAILED INFORMATION

By Organization

HELPING HANDS (Formerly Miami Beach Bots)

Participating students received an Elenco Snap Circuits Jr. set to do simple electronic projects - 30 pieces that snap together - while being mentored by the Miami Beach Senior High Helping Hands mentors. Helping Hands mentors later introduced CAD [Computer Assisted Design] to ready students to use 3D printers to produce the work they created. Students learned various STEAM skills, specifically, electronics, engineering, and more creative art skills such as 3D design and 3D printing.

DATA

- Total Students Served: 24
- Total Number of Classrooms Served: 1
- Total Number of Instructional Hours: 6
- Grades Served: 6 - 8th

Partnered Schools (1)

- Miami Beach Nautilus Middle

COMMENTS

STUDENT

I enjoyed the creative approach which allowed students to learn about electricity and 3D printing through fun activities with the kits. As a result, the program was very engaging and effective.



DETAILED INFORMATION

By Organization

JEWISH MUSEUM OF SOUTH FLORIDA-FIU

In this partnership, students were introduced to the history of the Jewish Museum of Florida-FIU, and how the building serves as an artifact in retelling the history of Florida's Jewish community. Students were exposed to the narratives embedded within the Museum's stained-glass windows, and how these architectural features were used to preserve religious values and cultural traditions. They learned about artists, who through time, have used stained glass and collage to create narrative-based imagery. Drawing inspiration from these artists, students experimented with materials to create a collage project based on their own personal history.



DATA

- Total Students Served: 413
- Total Number of Classrooms Served: 33
- Total Number of Instructional Hours: 52
- Grades Served: 6 - 8th

Partnered Schools (4)

- Miami Beach Fienberg Fisher K-8
- Miami Beach Nautilus Middle
- Miami Beach Senior High
- Miami Beach South Pointe Elementary
- North Beach Elementary

COMMENTS

STUDENT

I liked what project we did and I enjoyed every part of being in this program.

STUDENT

It helped make me more acquainted with Jewish history and stained glass and ways it forms as long as the stories it tells.

SCHOOL

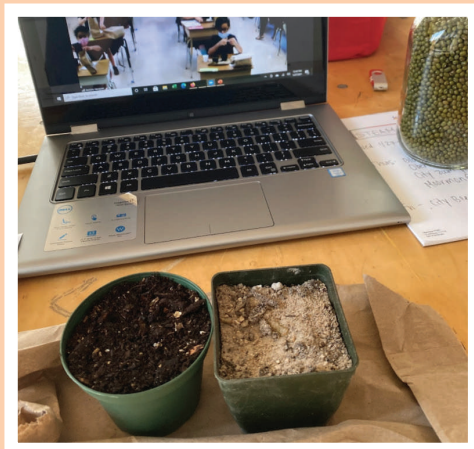
Students who lived near the Jewish museum had a new perspective on this historic building after learning about how the windows were designed once AC was added to the building. They felt more connected to the history of their city.

DETAILED INFORMATION

By Organization

MIAMI BEACH BOTANICAL GARDENS

The curriculum taught by Sanna, Head Gardener of MBBG, to the 2nd grade classes of Biscayne Elementary included how to plant and care for plants and the relationship of plants, animals and humans. We planted seeds together over Zoom, learned how to care for them for the following months and realized how important plants are in keeping our own urban environment healthy as well as creating different habitats for different wildlife. The students learned multiple lessons on how plants, animals and humans interact with and depend on each other and their environment to satisfy their basic needs. It's up to us to create a more beautiful world!



DATA

- Total Students Served: 83
- Total Number of Classrooms Served: 5
- Total Number of Instructional Hours: 16
- Grades Served: 2nd

Partnered Schools (1)

- Biscayne Beach Elementary

COMMENTS

STUDENT

That we could see flowers and that stuff.

SCHOOL

They love the topics of life cycles and the identification of the best soil for planting.

DETAILED INFORMATION

By Organization

MIAMI CITY BALLET

Miami City Ballet Community Engagement dance instructors integrated dance as an enhancement to academic subjects in an effort to build culture and support social emotional competencies and be part of arts learning through interdisciplinary experiences. STEAM subjects were applied during interactions with the students in the program, with the help of classroom teacher- partners who enthusiastically provide what that content is in accordance with their units of study. Students learned about the many careers in production, costume design, organizational leadership, dance, architecture and cultural history. Partnerships ended with a virtual culminating showcase for family and friends to see all that was taught throughout the partnership.



DATA

- Total Students Served: 621
- Total Number of Classrooms Served: 29
- Total Number of Instructional Hours: 270
- Grades Served: K, 1st

Partnered Schools (4)

- Biscayne Beach Elementary
- Miami North Beach Elementary
- Miami Beach South Pointe Elementary
- Treasure Island Elementary

COMMENTS

STUDENT

The whole Miami City Ballet team is amazing. Very professional, well prepared and a pleasure to work with.

PARENT/FAMILY

Students love their dance teacher (Mrs. Kelly) and always look forward to their dance class with her. They do an amazing job at integrating other subjects in their dance moves. Students and families are very happy when their child is given an opportunity to continue to work with the Miami City Ballet.

PARENT

Happy to be a part of it.

SCHOOL

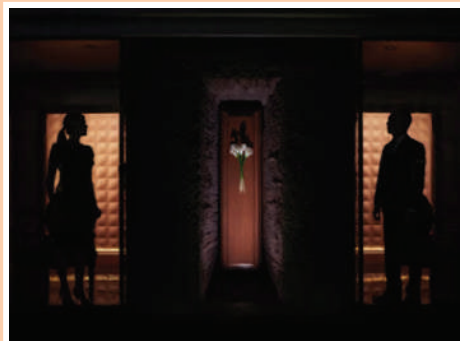
The students love to interact with the instructors and have the opportunity to ask them questions and hear their responses. The Kindergarten students loved dancing with Ms. Kelly. They thought it was so much fun to follow along and were able to perform for their parents upon the completion of the interaction.

DETAILED INFORMATION

By Organization

MIAMI NEW DRAMA

Miami New Drama offered the MasterMiND Youth: Technical Theater & Design Intensive for Miami Beach Sr. High students. Interactions were led by professional theater technicians and educators to cover topics such as light board programming, computer-simulated 3-D visualization, computer-aided drafting for costumes, lighting, and sets, projection mapping and media servers, and sound design and engineering. The virtual classes culminated in a virtual "tech fair" field trip to the Colony Theatre where students were able to see how all of these pieces work into a real-life theater and event setting. Students learned how technology assists the artistic design process as well as see direct real-world applications for learning science, technology, and mathematics within a creative and inspiring environment.



DATA

- Total Students Served: 76
- Total Number of Classrooms Served: 2
- Total Number of Instructional Hours: 40
- Grades Served: 9 - 12th

Partnered Schools (1)

- Miami Beach Senior High

COMMENTS

STUDENT

We got to speak to professionals from all ranges in the field, from those who work on big expensive Broadway shows, to professionals at our local theaters, and all of them were just as kind and open with us regardless. I learned so much, and they were so happy to answer questions and assist any way they could.

STUDENT

I just wish it was longer! I've had so much fun with Miami New Drama, and would like to keep working with them in the future.

DETAILED INFORMATION

By Organization

NEW WORLD SYMPHONY

The partnership began with this year's concert, Voices of Nature. The concert focused on the connections between music, nature and climate change. The concert introduced major orchestral works and composers. A program study guide was sent in advance to all participating classes. Subsequent classroom interactions followed up the themes from the concert and engaged students to think of place, music, and the ecology. Students were able to ask questions to three teaching artists who also demonstrated musical excerpts on their respective instruments. A final interaction focused on programmatic music and its early roots in imitating nature.



DATA

- Total Students Served: 287
- Total Number of Classrooms Served: 29
- Total Number of Instructional Hours: 270
- Grades Served: 5th, 6th, 9th, 10th, 11th, 12th

Partnered Schools (2)

- Fienberg Fisher K-8 Center
- Miami Beach Senior High

COMMENTS

PARENT/FAMILY

Love it! Wanted more!

SCHOOL

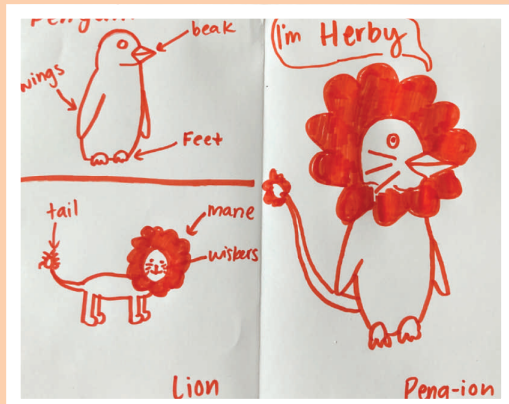
The best about the STEAM + program in accordance to our students: The students like to interact with the community Meet and learn from professional people Participate in vary activities.

DETAILED INFORMATION

By Organization

WOLFSONIAN - FIU

Through STEAM Zine students learned how to find and interpret scientific research (about greenhouse gas emissions, for example, looking at current emissions data and the impacts of mass transportation); how to apply that research to their own lived experiences; how to express research findings in relatable stories; and how to storyboard, design, and create a zine using found and original artwork that aligns with the climate-related story they're telling. Students gain an understanding of how scientific research connects to their lives, and they will gain the capacity to address urgent matters as problem-solvers.



DATA

- Total Students Served: 219
- Total Number of Classrooms Served: 11
- Total Number of Instructional Hours: 58
- Grades Served: K, 3rd, 5th

Partnered Schools (3)

- Biscayne Beach Elementary
- Fienberg Fisher K-8 Center
- Treasure Island Elementary

COMMENTS

STUDENT

I liked the partnership program because we got to be very creative and artistic.

STUDENT

I was able to take what I learned in science this year and use my imagination to draw it and learn more about it.

SCHOOL

The activity helped my students to revisit some science concepts previously taught.

DETAILED INFORMATION

By Organization

YOUNG MUSICIANS UNITE

Young Musicians Unite (YMU) equips schools with trained instructors, lesson plans, instruments and all the necessary resources for a vibrant music education. YMU provided a variety of masterclasses that introduced students to world renowned bands, making emphasis in one of the most influential bands of all time, The Beatles. It examined the contributions in the 1960s and how they were integral part of the development of counterculture and popular music's recognition as an art form, since they incorporated elements of classical music and traditional pop in innovative ways; the band later explored musical styles ranging from ballads and Indian music to psychedelia and hard rock. While the primary focus of YMU courses is on A for the Arts, all 5 STEAM standards can be reached throughout the duration of a YMU course, aiding schools in achieving their STEAM designation.

DATA

- Total Students Served: 654
- Total Number of Classrooms Served: 35
- Total Number of Instructional Hours: 118
- Grades Served: 2nd - 12th

Partnered Schools (4)

- Miami Beach Fienberg Fisher K-8
- Miami Beach Nautilus Middle
- Miami Beach Senior High
- North Beach Elementary

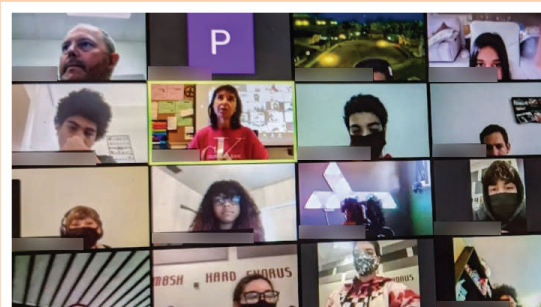
COMMENTS

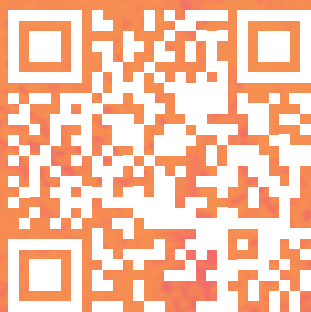
STUDENT

I love to learn about music.

SCHOOL

Working and learning from professional musicians let our students successfully participate in local, national, and international competitions.





Aim your phone's camera at the QR code here for more information on STEAM Plus.



Aim your phone's camera at the QR code here for a slide show of pictures from the program.