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Kauai Community Science Center

JANUARY 2021

THE LAB

SCIENTIST
AT WORK

KAUAI COMMUNITY SCIENCE CENTER

NEWSLETTER

Inside: Full STEAM ahead with KCSC HOTspot

HAPPY NEW YEAR!

Happy New Year Kauai Community Science Center Friends & Supporters!

Despite all of the craziness of 2020, we are full of gratitude that it was a great year for Kauai Community Science Center. We started off 2020 working on the KCSC Students Sharing Science project with Waimea Canyon Middle School Science Teacher, Mrs. Deborah Rowe, The Sciencenter's (in Ithaca, NY) professional exhibit designer, Adrienne Testa and 52 students from Mrs. Rowe's two Integrated Science Classes at WCMS (*page 10*). We are thankful that Adrienne Testa was able to visit us in Waimea and work with all the students face to face for a whole week in early February and by the end of the month, the students had developed 21 unique exhibit prototypes between the two classes. We were on track to complete the exhibits for our planned event at Kukui Grove in May, but the COVID-19 Pandemic had other plans.

By the second half of 2020, KCSC readjusted and started a new project, KCSC HOTspot, a mobile WIFI hotspot and STEAM resource supported by a County of Kauai, Kūpa'a Kaua'i CARES Act grant. KCSC built new collaborations with other established mobile STEM organizations like the BYN Mellon Mobile FAB Lab from Carnegie Science Center, STE(A)M Truck powered by Community Guilds in Atlanta, GA and the "I Am a Scientist" STEM program at Chaminade University in Honolulu. These new collaborators, along with our friends from The Sciencenter in Ithaca, NY, all supported us to develop and execute the KCSC HOTspot project. We received grant monies in the end of July and we held our first KCSC HOTspot mobile STEAM event on September 25th at Kekaha Elementary School. By the end of the year we had completed nearly ten free KCSC HOTspot events in West Kauai (*page 8*). We already have six events on the calendar for 2021 (*page 20*) and we hope to have many more.

In the second half of 2020 we also began our KCSC Internship Program with eight college and high school students (*page 6*). The KCSC Interns are integral to KCSC and support and lead activities at our events. In addition, we developed the KCSC Seabird Searching Project during the seabirds fledgling season from September 15th - December 15th as a service for Alexander & Baldwin. There were eleven dedicated college and high school students who worked on this project and learned about the complexities associated with endangered seabirds and their habitat on Kauai (*page 4*). We were also able to hire employees this year and thanks to the Aloha Connects Innovation program, we even had two fulltime employees for a couple of months at the end of 2020.

As a way to keep our events free and continue to grow KCSC we are having our inaugural fundraising event in 2021, "Be Elemental to Kauai Community Science Center" (*page 16*). Please consider supporting us. We thank you for your continued support and hope to see you more in 2021. - Sarah Styan, Founder, KCSC

KCSC CORE VALUES, *GUIDING EVERYTHING WE DO*

INCREASE ACCESS TO SCIENCE *through our free STEAM events, activities and programs for all ages.*

GROW SCIENCE LITERACY *through fun, hands-on informal science, making, student generated content and student led activities.*

PROMOTE CLIMATE CHANGE AWARENESS *through KCSC CLIMATE CONNECT Initiative and mindful programming.*

PROVIDE A SAFE & RESPECTFUL PLACE *by listening and collecting feedback from our team & community.*

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ON THE COVER

At a KCSC HOTspot event, a student suggested a photo booth for our events. In December, we started the photo booth and we love these pictures of our guests getting their "science on" for the camera. See more about the free KCSC mobile STEAM Events in "Full STEAM Ahead" on page 14.



Some of our KCSC student guests enjoy the KCSC HOTspot photo booth.

KAUAI COMMUNITY SCIENCE CENTER

*A 501(c)3 Nonprofit Organization
 Founded in 2019*

BOARD OFFICERS

President - Sarah Styan
 Vice President - Janet Ashman
 Treasurer - Georgeatte Cayaban
 Secretary - Neil Young

FINDING PROMISE

KCSC SEABIRD SEARCHING PROGRAM WRAPS UP WITH SOME HIGH NOTES AND BANK NOTES.

The KCSC Seabird Searching Project wrapped up on December 15, 2020. The KCSC seabird searchers rescued 4 downed Newell's Shearwaters during the course of their searching, daily, two times in the span of each 24 hours, from September 15th to December 15th. KCSC appreciates the contributions of the students, Marisa Chelius and the support of Trinetta Kauai and Patti Arnold-Kamakea of Alexander & Baldwin to make this project a success.

We started with eight high school and college students, **Corey Agena, Asa Chelius, Keali'imalu Kaawa, Melia Okura, Maximus Ornellas, Miya Reese, Amelia Styan and Aiden Winsley**. In Mid-October we added three additional students, **Briana Apo, Luke De la Pena and Braden Sanpei**. The students spent more than 460 man-hours searching and attended a total of 59 man-hours of training.

The students did an outstanding job. Alexander & Baldwin also sponsored a mahalo luncheon at the Port Allen Sunset Bar & Grill to thank KCSC for our partnership and recognize each of the seabird searchers with a bonus through a donation of \$1500 to Kauai Community Science Center. KCSC hopes that we can continue this program in the fall of 2021 and provide this project based learning opportunity to more students in the future.



A group picture after our Mahalo Party sponsored by Alexander & Baldwin. From left to right: Amelia Styan, Maximus Ornellas, Miya Reese, Aiden Winsley, Patti Arnold-Kamakea, Trinetta Kauai, Sarah Styan, Luke de la Pena, Keali'imalu Kaawa, Corey Agena. Not pictured: Briana Apo, Asa Chelius, Marisa Chelius, Melia Okura and Braden Sanpei.

"The students of the KCSC Seabird Searching Program were a joy to work with. I am very impressed by all of the students. They had very positive attitudes even if it meant searching for birds late at night, early in the morning, during rain, thunder, lightning and starry nights. The work the students performed is an integral part of the Save Our Shearwater Program and we hope they will be part of the program again next year."

- Trinetta Kauai, R, GRI, Broker in Charge, Area Manager, Kauai, A&B Properties Hawaii, LLC

STUDENT VOICES

"I got to learn a lot about the shearwaters."-
Keali'imalu Kaawa, Senior, Waimea High School

"It was a very positive experience because I got to meet new people, get exercise, see the sunrise, and learn about the shearwaters and other bird species."-
Briana Apo, Junior, Waimea High School

"It's been about three months since I became an intern at KCSC. So far, it's been great learning new things and working with the shearwater program."
- *Maximus Ornellas, Junior, Waimea High School*

"Being able to help protect native endangered species like the shearwater taught me that I can be a part of something bigger than myself."
- *Amelia Styan, Senior, Kamehameha Schools Kapalama*

"I am very grateful for KCSC giving me the opportunity to partake in the KCSC Seabird Searching Program."-
Aiden Winsley

"It was a good experience with great people. Nice walks and important work."- *Corey Agena, Junior, California Polytechnic State University at San Luis Obispo*

"It was fun! It's nice knowing that what we're doing is helping others."- *Miya Reese, Freshman, California Polytechnic State University at San Luis Obispo*

"I had a great time, early mornings and late nights. I learned a lot about shearwaters and why it's important to save them."
- *Luke de la Pena, Senior, Waimea High School*



KCSC SEABIRD SEARCHING LOGO

Asa Chelius, senior at Island School and one of the KCSC Seabird Searchers designed this KCSC Seabird Searching logo. We are thrilled that moving forward we will have some artwork to represent the KCSC Seabird Searching Program. Asa used Inkscape, an open source graphic design software, to design the logo and it was also one of the first graphics that we cut out with our KCSC vinyl cutter. Thanks again to Asa, for contributing his creativity.

EXPLORING INTERESTS & CAREERS

KCSC IS thrilled that Kathleen Alvarez, Asher Griffith and Jhames Ragus joined the KCSC Internship Program. They have all participated in KCSC HOTspot events and supported KCSC in many ways. All of the KCSC Interns are developing their own KCSC Intern Projects that they will be working on throughout the rest of the school year.



Kathleen Alvarez
Junior, Waimea High School

"I joined the Kauai Community Science Center internship program to explore different careers that could possibly help me narrow down my interests. I also want to give back to my community and I am looking forward to learning more about STEAM".

"I joined KCSC for the experience. So far it's been fun, I've strengthened my communication skills by interacting with students and other guests at our KCSC HOTspot events and learned about coding through my KCSC internship project. I really hope I can watch this program progress and come up with more ways to help kids like me."



Asher Griffith
Junior, Kauai High School



Jhames Ragus
Junior, Waimea High School

"From a young age helping others was always a passion of mine. Going into high school and joining the JROTC program has led to so many opportunities, such as me finding my way into becoming an intern at KCSC. I was first introduced to KCSC from a friend who is also an intern, then a teacher of mine talked about the benefits of an internship, which truly encouraged me to turn in my application. Hearing about the goals of KCSC made "young me" realize why helping others has always been a passion of mine. Us living in such a horrific time with the COVID situation affects' kid's education so, I try to go to as many KCSC HOTspot events because it helps the kids get out of this situation, even just for a second, and enjoy their childhood while learning something such as science".

KCSC INTERNSHIP PROJECTS

BECOME A KCSC 3D PRINTING CLUB INSTRUCTOR.

SKILLS / INTERESTS
3D printing, Computer aided design, Teaching,
Developing, Leading the KCSC 3D Printing Club.

MENTOR
Rich O'Reilly, Kauai Makerspace

BRIANA APO
Junior, Waimea High School

DESIGN AND BUILD A PEDIATRIC TREADMILL TO SUPPORT PEDIATRIC REHABI- LITATION AND EXERCISE.

SKILLS / INTERESTS
Computer aided design, 3D printing, Fabrication,
Pediatric physical therapy

MENTOR
Rich O'Reilly, Kauai Makerspace

BRAELYN CAYABAN
Senior, Waimea High School

DEVELOP ACTIVITIES TO TEACH CODING.

SKILLS / INTERESTS
Computer coding languages, Teaching,
Curriculum development, Activity develop-
ment, Design.

KATHLEEN ALVAREZ
Junior, Waimea High School

RECREATE FOSSIL SPECIMENS FOR EXTINCT SPECIES OF FAUNA FROM KAUAI

SKILLS / INTERESTS
3D Printing, Computer aided design,
Paleontology, Ornithology, Biology,
Exhibit design

MAXIMUS ORNELLAS
Junior, Waimea High School

DEVELOPING AND PROGRAMMING AN ADVENTURE VIDEO GAME.

SKILLS / INTERESTS
Python coding language, Story telling,
Graphic design.

ASHER GRIFFITH
Junior, Kauai High School

DESIGNING AN ECO-FRIENDLY MASK

SKILLS / INTERESTS
Healthcare, Engineering, Design,
Sustainability

JHAMES RAGUS
Junior, Waimea High School

FULL STEAM AHEAD

KCSC HOTspot EVENTS HAVE BECOME A MAINSTAY OF KAUAI COMMUNITY SCIENCE CENTER AND WE LOOK



A family enjoys "brown bag" activities at a KCSC HOTspot event at Kaumakani Pavilion.



3D printing demo at Kekaha Elementary event.



A student shows his Mom how he controls the Sphero with an iPad at a KCSC HOTspot event.



A couple of students "drive" the makeblock mBot Ranger robots at Kaumakani Pavilion.

Kauai Community Science Center HOTspot enjoyed a busy fall and holiday season, bringing fun STEAM events to West Kaua'i.

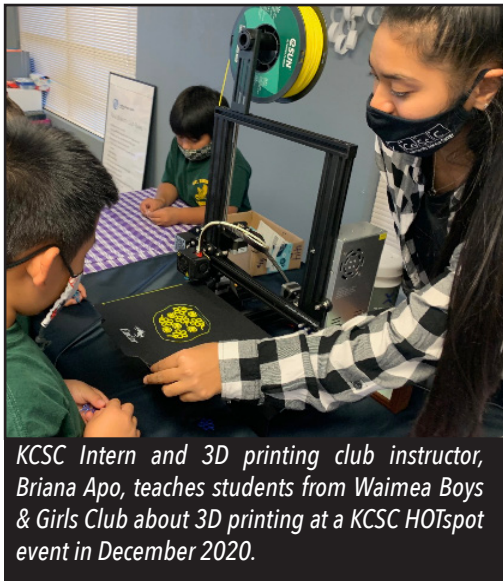
KCSC HOTspot offers free WIFI as well as some great activities that offer fun informal science learning experiences. There are a couple of robotics demonstrations where our guests have the opportunity to control the robots and dodge some obstacles and/or knock down obstacles. We offer Sphero SPRK+ and makeblock mBot Ranger robots. The mBot Rangers were built by our interns Corey Agena and Kathleen Alvarez. Our robotics activities as well as all of the activities at the KCSC HOTspot events are primarily led by the amazing KCSC Interns.

In addition to robotics we always have a 3D printing demonstration and feature some 3D printed give-aways. In 2021 we are starting a 3D printing club. The instructors of the club are students and at the end of 2020 we started working with four student instructors who now are the ones planning for and executing the 3D printing activities at the KCSC HOTspot events. As part of this project, the student instructors built their own 3D printers, provided by KCSC, that they keep at home and bring them to the KCSC HOTspot events.

Our "brown bag" activities are a fun way to offer a variety of hands-on STEAM activities at each event. Some of the favorites include a rubber band launcher, a 3D bubble wand, recycled art sculptures and making parachutes. We did a Santa's box for the holidays and an astronaut's helmet activity for our galaxy-themed photo booth. All of these activities are designed to be done at our event or can be taken home to do later. Everything you need is "in the bag".

In collaboration with Kauai Planning & Action Alliance, we are giving away a selection of science themed books for free at our KCSC HOTspot events. We have over 500 books available for all ages, with a wide variety of STEAM topics. You can learn more about it in the "Collaboration Corner" (page 14). Please follow us on social media and check out our website for event details. We hope to see you at a KCSC HOTspot event in 2021.

FORWARD TO GROWING, DIVERSIFYING AND ENHANCING THE KCSC HOTspot STEAM CONTENT IN 2021.



KCSC Intern and 3D printing club instructor, Briana Apo, teaches students from Waimea Boys & Girls Club about 3D printing at a KCSC HOTspot event in December 2020.



KCSC HOTspot "brown bag" activities are a way to have COVID-19 safe, hands-on activities that limit sharing resources and are fun to do at the event or to take home.



Kaumakani Pavilion has been a great location for our KCSC HOTspot events. We are very grateful we can have events at this great, open-air facility during the COVID-19 Pandemic.



Thanks to The Hanapepe Hawaiian Congregational Church for hosting a KCSC HOTspot event, it was a great location.



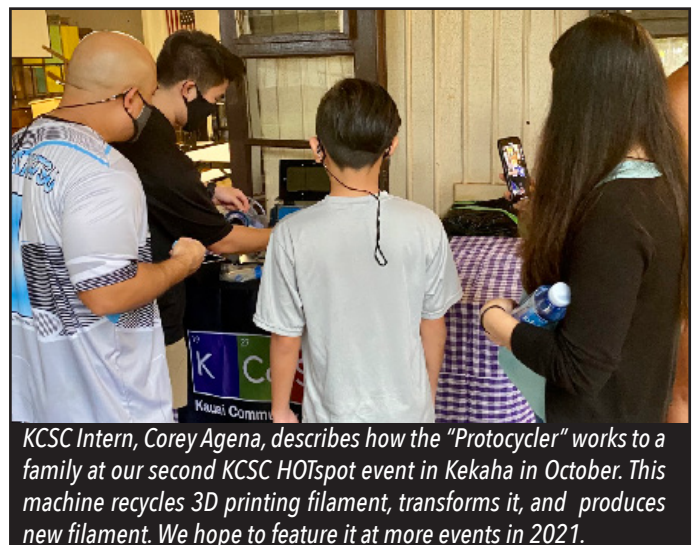
The back lanai at The Hanapepe Hawaiian Congregational Church provided plenty of space and we hope to have more events here in 2021.



The robots are not just fun for the students - WHS Principal, Mahina Anguay, gave it a try at the WHS KCSC HOTspot event in October



Students test out the parachutes they made from our parachute "brown bag" activity at our first event in Kekaha in September.



KCSC Intern, Corey Agena, describes how the "Protocycler" works to a family at our second KCSC HOTspot event in Kekaha in October. This machine recycles 3D printing filament, transforms it, and produces new filament. We hope to feature it at more events in 2021.

2020, A BUSY YEAR FOR KAUAI COMMUNITY

IN OUR FIRST FULL YEAR OF OPERATION WE WERE ABLE TO DEVELOP RELATIONSHIPS WITH MORE THAN 80 STUDENTS

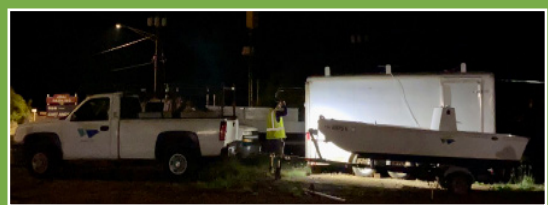
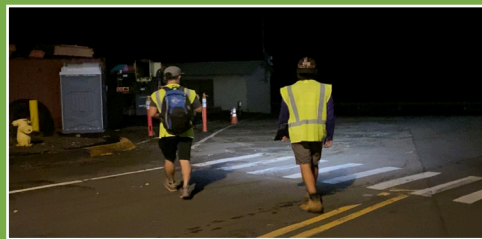
KCSC Students Sharing Science

COLLABORATION WITH KCSC, WAIMEA CANYON MIDDLE SCHOOL AND THE SCIENCENTER IN ITHACA, NY

SPONSORED BY COUNTY OF KAUAI, COMMUNITY BENEFIT GRANT FOR \$23,000, OCTOBER 2019 - MARCH 2020



52 WCMS Students participated in the KCSC Students Sharing Science program, supported by a grant from the County of Kauai Community Benefit Grant. The project started in October 2019 and by February 2020 the students developed 21 prototype exhibits. In addition to the 52 WCMS students, our team included an amazing WCMS science teacher, Mrs. Deborah Rowe, and professional exhibit designer, Adrienne Testa from The Sciencenter in Ithaca, NY. KCSC was able to bring in more than 7 additional professionals to share their subject matter expertise with students in the classroom. KCSC was also present for nearly 50% of the class time working with the students.



KCSC Collaboration with "I Am a Scientist" STEM Program

COLLABORATION WITH KCSC AND CHAMINADE UNIVERSITY'S "I AM A SCIENTISTS" STEM PROGRAM

STARTED IN AUGUST 2020 AND FIRST PROJECT COMPLETED IN OCTOBER 2020

12 students volunteered for more than 30 man-hours over Fall Break to create nearly 1,800 STEM Kits from Chaminade University's "I AM a Scientist" STEM Program. The KCSC student volunteers were "bean counters" and helped create these fun hands-on STEM activity kits that teach students about how viruses spread. These kits were delivered to 4 Elementary Schools on Kauai in October. Kekaha Elementary (362 kits), Eleele Elementary (421 kits), Koloa Elementary (326 kits), and Wilcox Elementary (650 kits). We look forward to more collaborative projects with the "I Am a Scientist" and Kauai Schools in 2021. These amazing learning modules are a great resource for students and teachers and we are happy to collaborate with this incredible program..

SCIENCE CENTER

AND HAVE TOUCHED NEARLY 2000 STUDENTS THROUGH OUR EVENTS AND COLLABORATIONS.



KCSC Seabird Searching Program

ALEXANDER & BALDWIN, INC. HIRED KCSC TO PROVIDE SEARCHING SERVICES FOR ENDANGERED SEABIRDS DURING THE FLEDGLING PERIOD, SEPTEMBER 2020 - DECEMBER 2020



KCSC hired 11 college and high school students. Students completed >460 manhours of searching, 4 Newell's Shearwaters were rescued. This project based learning experience that provided the students to earn money and the skills associated with holding a paid position and learning about the complexities associated with managing the habitat of endangered seabirds on Kauai. Read "Finding Promise" (page 4) of this newsletter for more information.



2020, THE KCSC YEAR IN REVIEW, CONTINUED

KCSC Internship Program

SPONSORED IN PART BY A KAMEHAMEHA SCHOOLS COMMUNITY INVESTMENT GRANT



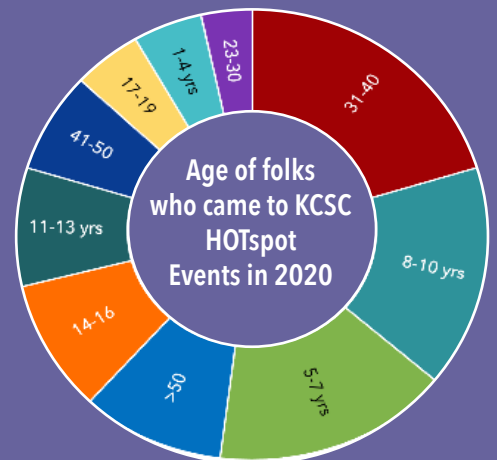
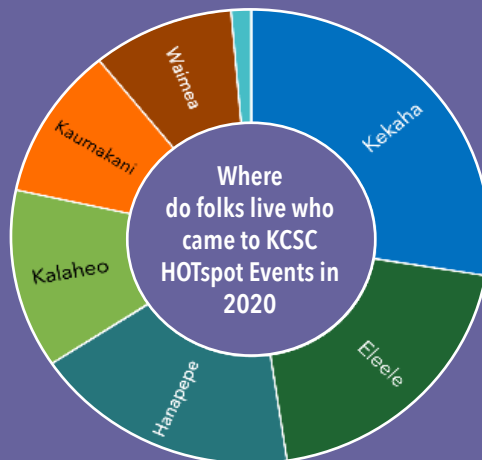
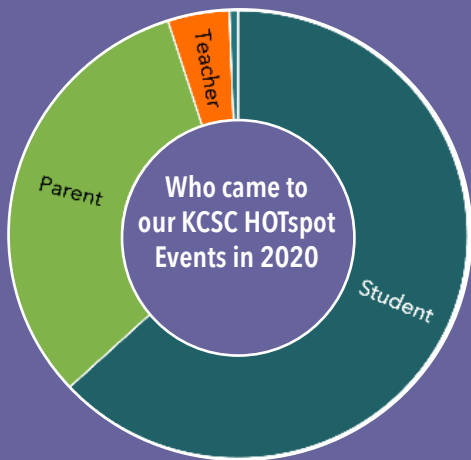
*KCSC had **8 students** participating in the KCSC Internship program in 2020, **2 college students** and **6 high school students**. KCSC interns volunteer their time to support the KCSC HOTspot events by helping to prep for events, testing and preparing “brown bag” activities, helping us to learn about our new equipment and also leading the activities at the KCSC HOTspot events. The KCSC interns have contributed more than **120 volunteer hours** and our six high school interns have all started individual projects that are briefly described on page 7. KCSC interns are the ones that bring KCSC to life and we are grateful for their participation and many contributions to KCSC.*

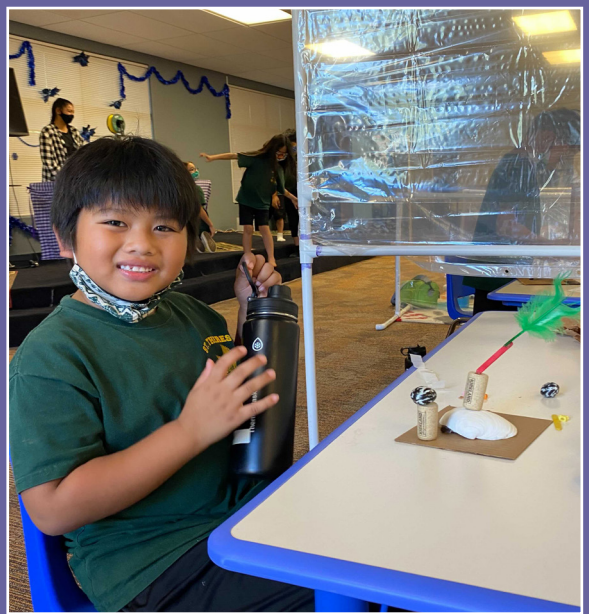
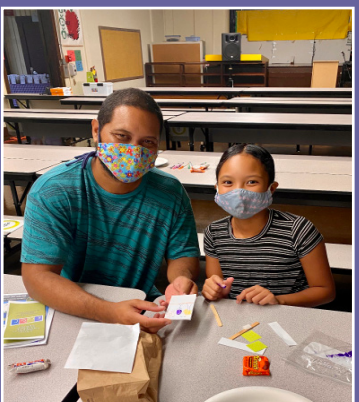
KCSC HOTspot Program

SPONSORED BY A COUNTY OF KAUAI, COUNTY OF KAUAI, KŪPA’A KAUAI CARES ACT GRANT FOR \$176,506.

COLLABORATIONS WITH BYN MELLON FAB LAB, CARNEGIE SCIENCE CENTER, STE(A)M TRUCK, POWERD BY COMMUNITY GUILD, ATLANTA GA, THE SCIENCENTER, ITHACA, NY, FUJITA & MIURA, KAUAI PLANNING & ACTION ALLIANCE

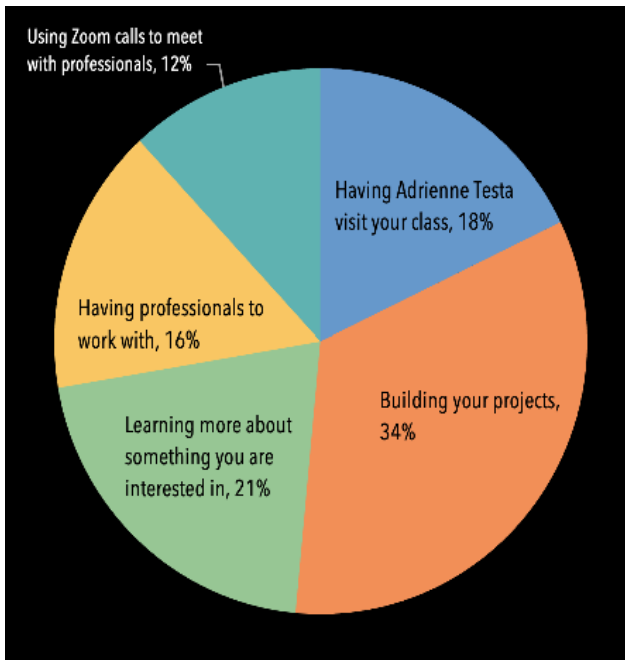
*The initial goal for the KCSC HOTspot Program was to develop a mobile WIFI / STEAM resource to serve the West Kauai Community between Kekaha and Eleele with free WIFI and fun STEAM content. We held **9 events** in **5 different locations**, Kekaha Elementary School (2 events), Waimea High School (1), Waimea Boys & Girls Club (1), Kaumakani Pavilion (4) and The Hanapepe Hawaiian Congregational Church (1) between September 25th and January 9th. We had **228 people register** and **184 people attended** these **9 KCSC HOTspot events**. **64% were students** from pre K through college, **32% were parents** and **5% were teachers**. These graphics illustrate the distribution of our KCSC HOTspot event attendees. We had a great variety of ages and also had participants from across West Kauai. KCSC uses Omnify, an online registration tool, which was recommended by our collaborators at The Sciencenter to maintain event sizes and track our metrics and measure our impact.*





GOT FEEDBACK?

KCSC uses, Mentimeter, an online polling tool that allows us to get anonymous feedback from our team, interns feedback from the 52 Waimea Canyon Middle School students in the KCSC Students Sharing Science Program. We KCSC HOTspot events. It is anonymous, fun, participants can see the results in real-time, Mentimeter provides some and also to get feedback from the folks we work with. Below are a few examples of the kind of feedback we received seems to like the anonymity too. KCSC can use many question types that Mentimeter provides, there are even Mentimeter is a versatile and informative tool that is also fun to use. We have a lot more feedback to share if you

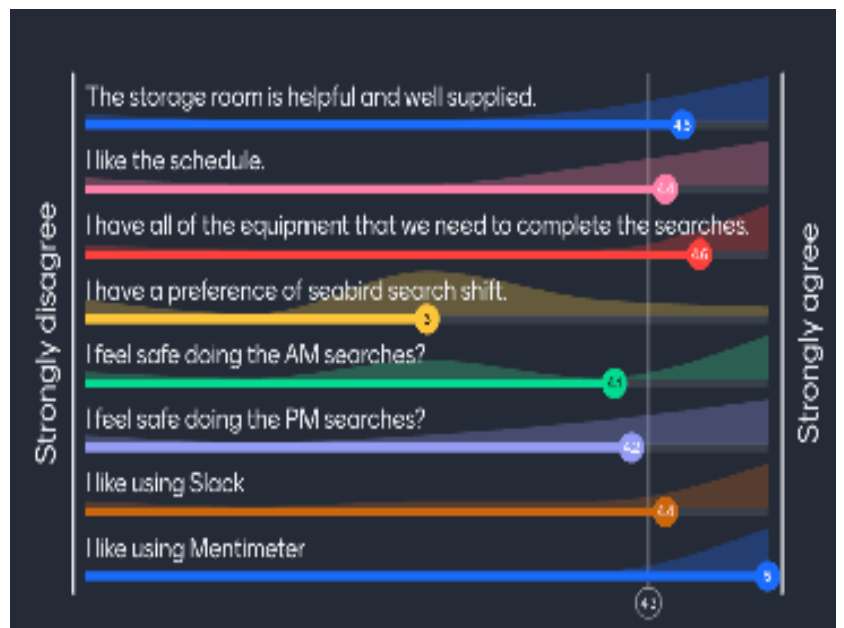


MULTIPLE CHOICE QUESTIONS

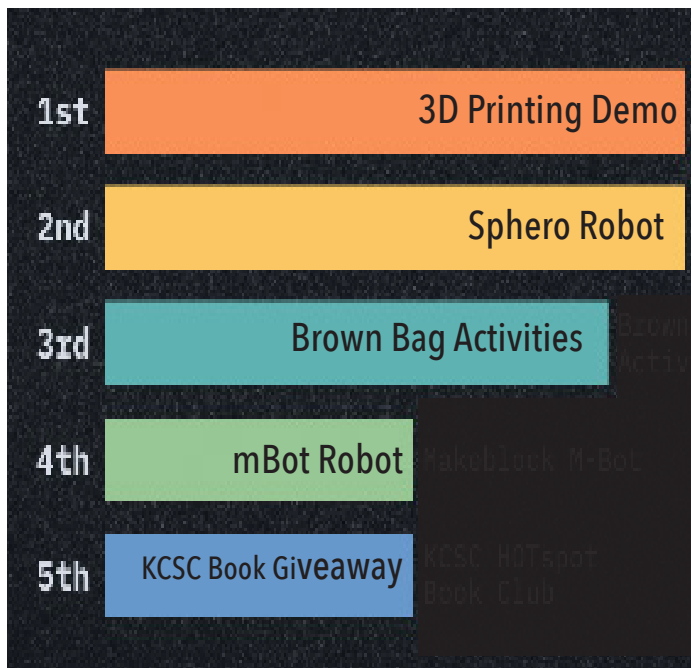
This feedback is from twenty-six, 6th, 7th & 8th grade students from the Students Sharing Science Program at Waimea Canyon Middle School. Data from the other class period was comparable. Direct feedback from the students is invaluable and it was good to see that the students enjoyed building their exhibits, learning more about their interests and working with Adrienne Testa and the other professionals we were able to bring into the classroom. There is no replacing capturing the student voice and students can also see the results in real time when we do the survey. Being anonymous is a great characteristic as well to support participation.

AGREE / DISAGREE

This is feedback from the KCSC student seabird searchers and our collaborators at Alexander & Baldwin during an update meeting. We wanted to get feedback from the searchers on their experience after the first week and it would be hard to get candid feedback in a zoom call with eight students. The Mentimeter results give us a basis for discussion and it is nice to see that the students and professionals enjoy using Mentimeter too.



and folks who participate in our programs via their phones or computers. In 2020 we first used this tool to get have also used Mentimeter to get feedback from the KCSC Seabird Searchers, KSCS Interns and at most of our informative graphics and also provides the data in an excel file format . We love data to measure how we are doing in 2020 from some of our Mentimeter surveys. We hope that participants enjoy this survey method and everyone more than the examples we have shared here, to also ask questions in different ways when we collect feedback. are interested or if you have any questions, please email us, info@kauaicsc.org.

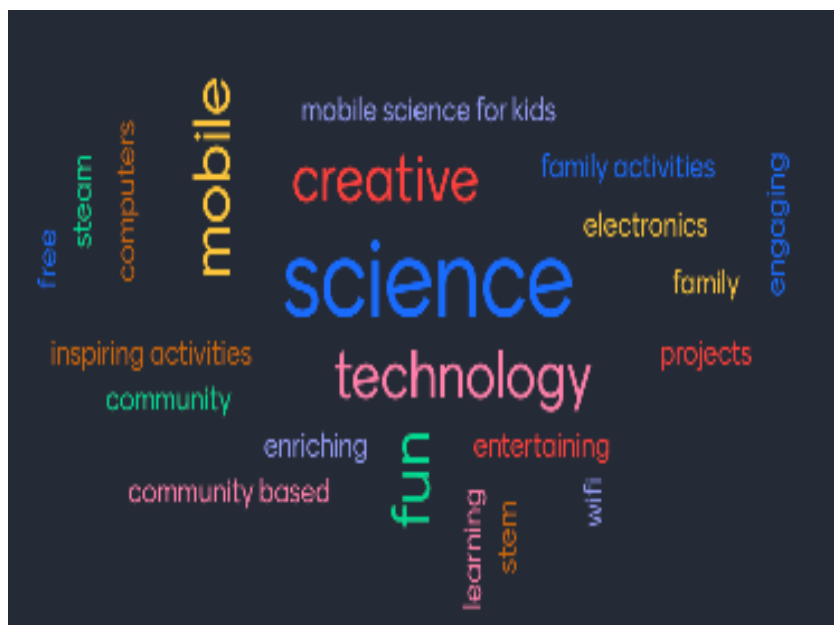


RANKING OF ACTIVITIES

We can ask questions that rank things, like the KCSC HOTspot event activities, for example. The favorite activities change with almost every event, although 3D printing and the robotics activities are often close to the top. Virtually every activity has found it's way to the top, even the KCSC HOTspot book giveaway that is at the bottom in this example. The feedback gives us insight into how to improve what we are doing. Mentimeter allows us to ask open ended questions too, where folks can provide their feedback and suggestions in their own words.

MENTIMETER WORD CLOUDS

To generate a word cloud, we ask a question and give folks the chance to give multiple replies. This word cloud came from the question, "What words come to mind when you think about your experience at the KCSC HOTspot today"? It is always fun to see the word cloud develop as everyone enters their answers and it gives KCSC a great visual of what people are thinking about our events. We love all of the feedback and the word clouds too!



BE ELEMENTAL TO KAUAI COMMUNITY SCIENCE CENTER

SUPPORT KCSC IN OUR INAUGURAL FUNDRAISER TO RAISE \$200,000.

At KCSC we provide free community events and all of our programming is provided free to students, teachers, parents and the community. To date we have been able to get support through grant writing and the Kamehameha Schools Community Investment Program that we greatly appreciate. However, to grow as an organization we need to show that we have support from our community. Many grants require matching funds and also do not always allocate monies to all of the expenses of an organization, like salaries for example.

We appreciate that these are trying times for everyone, but we hope that you can see value in what Kauai Community Science Center is doing by increasing access to science, growing science literacy, promoting climate change awareness and providing a safe and respectful environment through our programming with the KCSC HOTspot, KCSC Internship Program, KCSC Seabird Searching and the upcoming KCSC 3D Printing Club as well as the many collaborations that we are growing with local and national partners in the STEM field.

In order to continue to grow and provide value to students, teachers, professionals, parents and the community we need your support. You can donate as an individual, as a family, organization or business. We appreciate your consideration and by participating in this inaugural KCSC fundraiser you will be a permanent part of the *KCSC Period Table of Elemental Supporters*. Each level of supporter will receive different acknowledgements based on their donation, and every donor will receive a printed poster of the *KCSC Periodic Table of Elemental Supporters*.

There are 118 elements on the Periodic Table and we have set a number for each supporter level so that we can reach our fundraising goal of \$200,000. There is more information on the KCSC Website and please contact , Sarah Styan, sarah@kauaicsc.org if you have any questions or suggestions.

SUPPORTER LEVELS

6
C

Center Supporter- \$100 - \$499

Carbon is the fourth most abundant element in the universe and one of the most important elements for all living things. We know that Center Supporters are very important to the future of Kauai Community Science Center too.

We are reserving space for 34 Center Supporters.

19
K

Kauai Supporter- \$500 - \$999

Potassium is a light metallic element that forms many important compounds and is essential for human nutrition. It is also the seventh most abundant element on earth. Kauai is one of the seven major inhabited Hawaiian Islands and the home of KCSC.

We are reserving space for 40 Supporters.

27
Co

Community Supporter- \$1000 - \$4999

Cobalt was the first metal to be discovered since prehistoric times and the first metal with a recorded discoverer. Cobalt may not be rare, but it is valuable. That is like our community, it may not be rare, but the value is incalculable, just like Community Supporters.

We are reserving space for 30 Supporters.

21
Sc

Science Supporter- \$5000 - \$14,999

Scandium, a rare-earth element is more abundant on the Moon than on Earth and has few uses due to its high cost and limited availability. This is a precious element, and a donation at this level will make a significant impact for KCSC.

We are reserving space for 20 Science Supporters.

Foundation Supporter- \$15,000 or more

We are reserving our four namesake elements, C, K, Co and Sc for any individual or organization that can support us with a generous donation like this. You can select one of our KCSC namesake elements for your own and you will have a special recognition in the KCSC Periodic Table of Elemental Supporters.

We are reserving space for 4 Foundation Supporters.

WHY BE ELEMENTAL?

Support STEAM programming for Kauai students, teachers, professionals and the community.

Support increased access to science and growing science literacy on Kauai.

Support students, to explore their interests through the lens of science and within potential career pathways.

Support students who develop content, lead activities and connect with professionals and the community.

Support the development of a science center on Kauai.

You Can You Choose Where You Fit In



Periodic Table of Elemental Supporters

Be ELEMENTAL to Kauai Community Science Center

Be Recognized on Kauai Community Science Center's Periodic Table of Elemental Supporters.

Donate and chose your favorite element that represents you or your organization.

EXAMPLES & WHAT'S IN IT FOR YOU AS A SUPPORTER

11 Na "Center Supporter" elements will be blue in color to distinguish them on the KCSC Periodic Table. Why did the supporter choose Na? Maybe because it matches letters in their **Na**me or nickname, maybe sodium is an element that is related to an interest or their business. They will receive a copy of the KCSC Periodic Table when the poster is completed as a thank you for their donation.

8 O "Kauai Supporter" elements will be purple in color to distinguish them on the KCSC Periodic Table. Why did they choose O? maybe because it is the first letter of their name or oxygen is important in their organization. They will receive a copy of the KCSC Periodic Table when the poster is completed and a KCSC ReNu reusable silveware set as a thank you for their donation.

39 Y "Community Supporter" elements will be green in color to distinguish them on the KCSC Periodic Table. You can partner up with friend and/or family to make donations too. Donors at this level will receive all of the previous thank you gifts and a decorative tile that represents their element as a thank you for their donation.

70 Yb "Science Supporter" elements will be orange in color to distinguish them on the KCSC Periodic Table. We are reserving 20 spaces for Science Supporters and we can also work with you to select an element if you are not sure what best represents you. Science level supporters will receive all of the previous thank you gifts and they will be recognized with their name or logo on the KCSC HOTspot vehicle as thank you for their donation.

6 C "Foundation Supporter" elements will be green in color to distinguish them on the KCSC Periodic Table. Donors at this level will receive all of the previous thank you gifts and KCSC will work with foundation supporters to create a sponsored event like a KCSC HOTspot event or a KCSC HOTspot activity that is branded or designed to the as a thank you for their donation. Foundation supporters will also have their logo on every KCSC publication and be listed on the KCSC letterhead as a Foundation Supporter.

COLLABORATOR CORNER

FOR THE LOVE OF READING

KCSC COLLABORATES WITH KAUAI PLANNING & ACTION ALLIANCE



Keiki to Career Kaua'i
Ready to Learn, Ready for Life

Reading is foundational to everything that we do and supports learning and developing important 21st Century Skills that KCSC promotes and models like communication, collaboration, critical thinking and creativity.

Kauai Community Science Center collaborated with Kauai Planning & Action Alliance to support their Keiki to Career Student Literacy Program by purchasing science themed books that we give away at our KCSC HOTspot events.

The funding for this project was part KCSC's County of Kauai County of Kauai, Kūpa'a Kaua'i CARES Act grant. Kauai Planning & Action Alliance has access to an amazing selection of books for a reduced price, so by collaborating with KPAA, KCSC could purchase over 600 science themed books that will go right back into our community on Kauai.

We have admired the work that KPAA and the Keiki to Career Kauai Program has done for years and we are thankful that we are now collaborators. We hope to also feature KPAA and the great work that they do at some of our KCSC HOTspot events in 2021.



CHECK OUT SOME OF THE AMAZING BOOKS THAT WE ARE GIVING AWAY AT THE KCSC

HOTSPOT EVENTS, THANKS TO OUR COLLABORATION WITH KPAA

CLIMATE CONNECT

READ, REUSE & RECYCLE

HOW TO BE A ECO-FRIENDLY READER

We LOVE reading at KCSC. Reading is an amazing skill and a great way to learn, explore, imagine, create, dream and so many more things. Being an eco-friendly reader is a way that you can make a difference and here are some ideas for you to consider.



BORROW BOOKS - Instead of buying books you can borrow them from your local library. For example, The Waimea Public Library is open for up to 45-minute Wiki Visits that start at the top of the hour and you can call them at 338-6848 for more information.

DOWNLOAD E-BOOKS - You can cut back on paper by downloading e-books on your phone, tablet or computer. Did you know that e-books are also available to borrow from the Hawaii State Public Library System?

TRADE BOOKS - Consider having a book swap with your friends and trade books amongst yourselves.

We encourage you to visit the Hawaii State Public Library System Website, www.librarieshawaii.org for more information. On the website you can find a new book, check when the library in your neighborhood is open or explore all of the resources that are available to you for free. KCSC also collaborates with the Hawaii State Public Library System and we hope to feature different things about our local Libraries at future KCSC HOTspot events. We have great Libraries here on Kauai with incredible resources available for free. When you are aware of those resources that you can take advantage of them, share them with your family and friends and be an eco-friendly reader.

HAPPY READING, REUSING & RECYCLING!

UPCOMING KCSC HOTSPOT EVENTS

- Friday, January 29th, 5:00pm - 6:00pm & 6:15pm - 7:15pm, Kaumaukani Pavilion
- Saturday, February 6th, 3:00pm - 4:00pm & 4:15pm - 5:15pm, Kaumakani Pavilion
- Friday, March 5th, 5:00pm - 6:00pm & 6:15pm - 7:15pm, Kaumakani Pavilion
- Wednesday, March 17th, 5:00pm - 6:00pm & 6:15pm - 7:15pm, Kaumakani Pavilion
- Saturday, April 3rd, 3:00pm - 4:00pm & 4:15pm - 5:15pm, Kaumaukani Pavilion

Check out our website, <https://kauaicsc.org> for more information & events

MAHALO TO OUR COLLABORATORS



Supported by **Kamehameha Schools**



DON'T FORGET TO FOLLOW US ON SOCIAL MEDIA @KAUAICSC

