

The Birth of Cool:

How Kahuku Public and School Library is Leading the Way For
Makerspaces and STEAM Programming in the
Hawaii State Public Library System

Tamara King, Children's Librarian
Lea Domingo, Branch Manager

Think
BIG

Start
small





What we have accomplished:
Planning, Design, and Execution



Kahuku Cool Lab

A Little Bit For Everyone

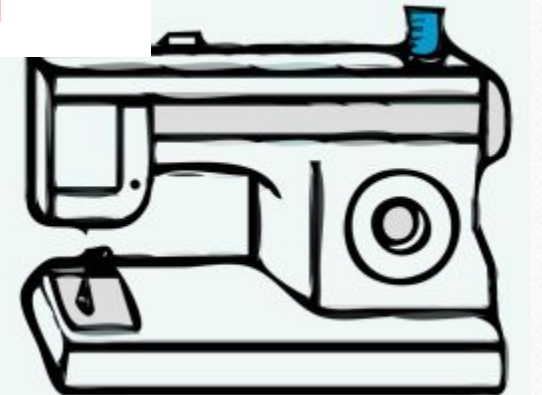
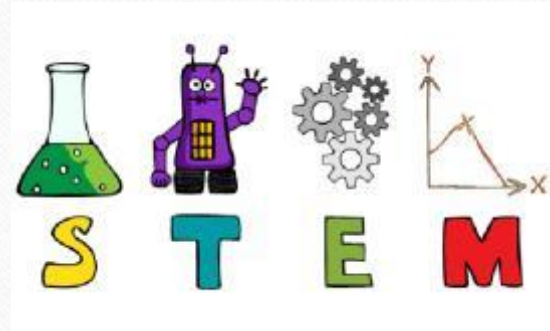
Future
Scientist

Stay-at-Home
Moms

Entrepreneurs

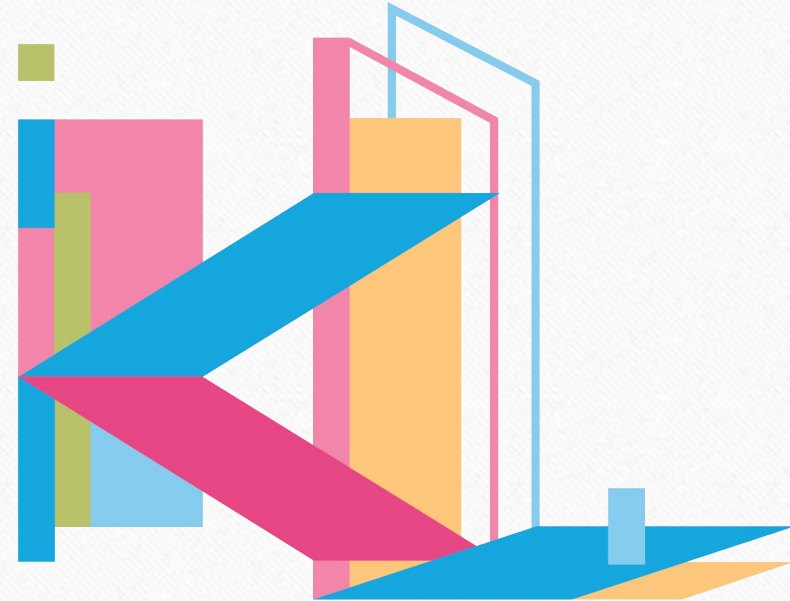
Big and Little
Makers

Seniors –
Lifelong
Learning



Branding

Collaboration



Kahuku Cool Lab

Created by Janice Choy, Library Development Services,
Hawaii State Library Services



What it offers?

- Mix Media
 - Heavy Duty Sewing Machines
 - Electric and Manual Die Cutting Machines
 - Self Service – Color Prints, spiral binding, or button making
- STEAM Kits
 - Cardboard box kits, snap circuits, simple engineering (Knex), programming, robotics, and more.
- Programs
 - Volunteer and Paid Speaker Classes and Workshops
 - STEAM Camps – Children’s Librarian / Guest Teachers



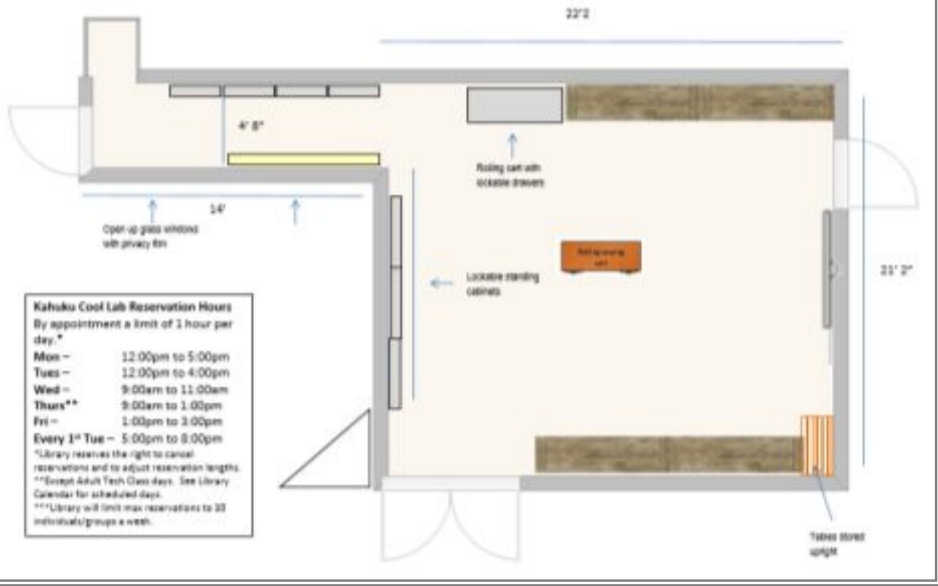
Kahuku Cool

Lab

**Don Ramos
(minor)**

#0001810535

Certified for:



Access

- Library Sponsored Programming
- Open Lab (In Progress)
- Checking basic STEAM kits out of the library (In Progress)

Schedule

Kahuku Cool Lab Reservation Hours

By appointment a limit of 1 hour per day.*

Mon – 12:00pm to 5:00pm

Tues – 12:00pm to 4:00pm

Wed – 9:00am to 11:00am

Thurs** 9:00am to 1:00pm






Fri – 1:00pm to 3:00pm

Every 1st Tue – 5:00pm to 8:00pm

*Library reserves the right to cancel reservations and to adjust reservation lengths.

**Except Adult Tech Class days. See Library Calendar for scheduled days.

***Library will limit max reservations to 10 individuals/groups a week.

Schedule Key		Weekly Staffing											
	Kahuku Staff (Staffing Blocks of Time)	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY					
	Branch Manager (Staffing Blocks of Time)		Ref Hrs	KCL	Ref Hrs	KCL	Ref Hrs	KCL	Ref Hrs	KCL			
	Children's Librarian (Staffing Blocks of Time)												
	Switchable Staffing Needs												
	No Open Lab Hours for KCL												
		Library Closed	9am-12pm	X	12pm-4pm	12pm-4pm	9am-12pm	9am-1pm	9am-12pm	9am-12pm	X	Library Closed	
			1pm-5pm	12pm-5pm	4pm-8pm	Only * a month 5pm-8pm	12pm-5pm	X	12pm-5pm	X	Lego Robotik 2:30pm-4:30pm	12pm-3pm	1pm-3pm
						After school Club & Lego Club 2pm-4pm							



Partnerships

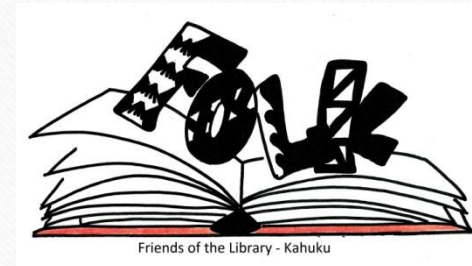


- Volunteers
- State Departments (DAGS, ESSS, LDSS, Admin, ASB)
- Community: Parents, High School Mentors, Teachers.
- Exploring new partnerships with non-profit groups and Kahuku High and Intermediate School

Funding Partners

- Financial Support

- Small and Big Friends Groups – Friends of the Library Kahuku (FOLK) ; Friends of the Library of Hawaii
- Local Grants
- Generous Volunteers and Donations
- Community Support
- Businesses



Trials and Tribulations

- Change of Services
- Safety and Security
- Time – Promises, unknown
- State of Hawaii Protocol
- Staffing
- Unexpected Necessary Equipment/Materials
- Space

Before

From
drab
and
messy



Kakou

As the ocean thrives, so do we.

EXIT







22

23

24

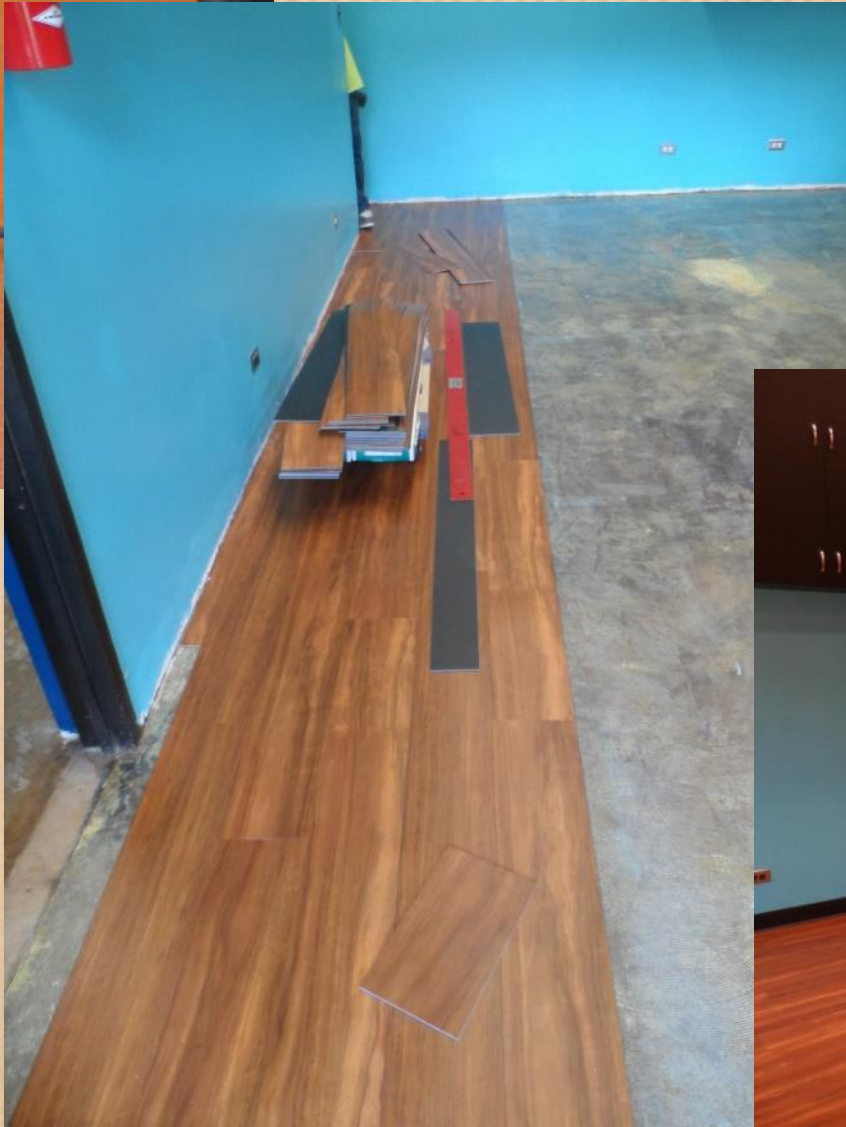
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Friends of the
Library
Book Sale Prices

10/1/17 - 10/31/17	50%
11/1/17 - 11/30/17	50%
12/1/17 - 12/31/17	50%
1/1/18 - 1/31/18	50%
2/1/18 - 2/28/18	50%
3/1/18 - 3/31/18	50%
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After
To sleek
and
organized





Working On



Image can be found on [The Conversation.com](http://TheConversation.com), 12/17/13

Outcomes

- “New regulars” – appealing to broader audience
- Increase in skill sets
- Intergenerational, collaborative learning
- Access to non-traditional library resources
- Library as more relevant in community
- Advocacy for libraries in general

“As a home school family, we appreciated all education supplements we can get. And we love our STEM subjects!” – Kahuku Library Parent



“My son is excited to learn about science and mechanical things. He is excited to come to the library. **It has helped our family become regular visitors** and this particular event has my son imagining so many ideas that he now wants to learn more.” – Kahuku Library Parent





Kahuku Creator's Club (Afterschool Club)

**LEGO ROBOTICS,
WINTER PROGRAM**



**STAR
WARS
READS**



“Because of this program I now know how to read patterns and know what seam allowances are.”

Machine Sewing: Simple Bags

“Thank you so much! That night my kids and I were able to sew bags together. My youngest (age 3) usually doesn’t care for bags even when we buy her expensive ones like Hello Kitty. But this bag, that we sewed at your program, she wears all day every day and even insists on sleeping with it.”

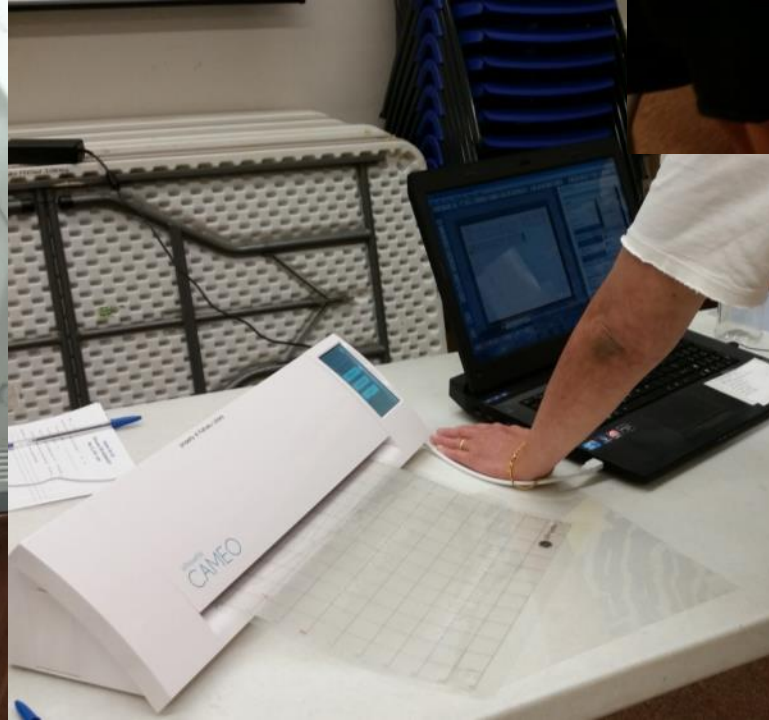
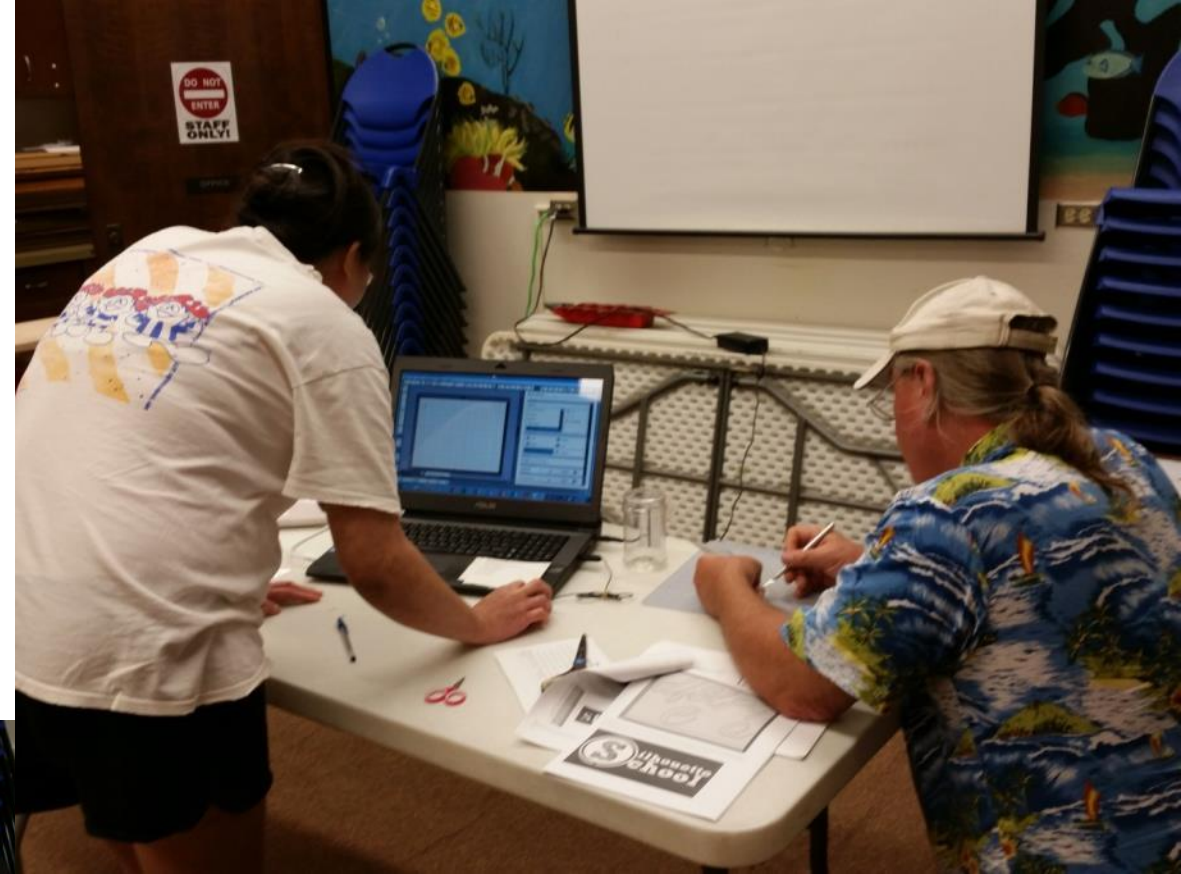
- Gurr Family





“We have a sewing machine at home but never use it. But tonight we learned how to thread a machine and how to thread bobbins, and sew basic stitches...Thank you”

- Male Age 74, Ewa Beach



“This is awesome! I can now label the balls with this stencil at the school I volunteer with ”

- Male Age 68, Laie

Program Statistics

51 STEAM Programs (Jan-Oct 10 Months)

For 1179 Visits

1044 – STEM

135 – Art/Makery

Ages 3-80

Rough Budget

- Storage \$850.00
- Electronics \$1300.00
- Supplies \$1400.00
- Textiles \$1663.00
- STEM \$2700.00
- Renovations \$3200.00

Total = \$11,113

(Not including in-kind donations)

Our hopes for the future

- Open lab and checkouts will be ready by January 2017
- Tying makerspace activities with our collection
- Reaching out to high school for teen programming
- More partnerships
- Entrepreneurs
- Economic development

Thank You!



Further questions and comments? Feel free to email us at:
KCL@librarieshawaii.org