

Chat from: STEAM Programming for Diverse Populations  
June 14, 2016

Rogers:Lisa R. Music here also

Chuck - Infopeople:Hi Shih, its not the software but your compute you have to pair with. Then choose that for your audio source.

abrookens:I can hear

Jane Enright 2:Audio is warbly

Debra Atkins:I don't hear anything!

Michelle HPL:all good here. :)

Chuck - Infopeople:If you are having audio issues you can call in at: (888) 450-5996

Jane Enright 2:Better now

Debra Atkins:I heard the introduction great = but now nothing...

Chuck - Infopeople:If you can pelase call in

Chuck - Infopeople:please

Patricia Stuckey:after school crowd

Ashley Pearson:Homeschoolers?

Carol:homeless

Abby Rowswell:kids who play minecraft all afternoon

Pat Schons:homeschoolers

Gabby Sobilo:middle schoolers

Chat from: STEAM Programming for Diverse Populations  
June 14, 2016

Patrina Garza:most of the population in my community is Hispanic- they don't usually come to storytimes

Ann Miller:high schoolers

Lisa D.:Teens

Ginger:ESL

Mahogany Singleton:We have a large number of studious afterschoolers who use the system but don't attend events

Gabriel Johnson:Middle school and high school students

Kate S.:older teens

Marisha Sullivan:Low income teens

rosa cesaretti:kids who use our computer lab but don't join any of our programs

Amanda Luna:non-English speakers

Patrina Garza:ESL as well....

Melanie I.:older teens

Susan Mikula:Older teens

Shih Fa Kao:Unfortunately, I have only been at my branch for a few weeks, so I have not had a chance to observe our STEAM programs.

Bonnie McNair:teens

amber:the kids that are only here when parents are on computers

CarolinaV:definitely the children who just play games on the computers

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June 14, 2016

Michelle HPL:We have a large group of teens that come in to use our wifi but they don't attend programs.

Pamela Y. McCreless:teens who don't normally hang out at the library

rosa cesaretti:suggestion for Hispanic children, begin programs for family and once parents are engaged they will put their children in programs

Melanie I.:^^ absolutely children who play on computers/ipads when parents are browsing for books

Pat Schons:after school middle schoolers

abrookens: Unsupervised tweens and teens

Eric:developmental disability children and teens

Stephanie:We strongly encourage those kids to come in and sometimes i'll ask them what they want and we'll do it. Or once they asked me to have a yugioh tournament

Patrina Garza:children with special needs- ASD or physical challenges such as wheelchair bound.

amber:most patrons don't know that the programs are free. so i make sure they know all of our programs are free

Melanie I.:suggestion for non-english speakers. We started a bi-lingual storytime here at my library and it's been a hit. We have a teacher from the elementary school come over to run that program

Janet:we have an awesome bilingual storytime

Patrina Garza:Melanie thank you! I had been doing a family literacy night 2x/month with a select group of ESL families- we really want to offer more bilingual programs in the future.

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June 14, 2016

Melanie I.:You're welcome Patrina :)

rosa cesaretti:For teens: we discovered that teens will volunteer for program assisting. Our volunteer program is really strong and though they don't attend programs, they are engaged in library as volunteers.

Pamela Y. McCreless:Could you type in the ingredients?

Stephanie:that's typical of teens especially the ap/honors students.

Amy Koester:Mica

Amy Koester:Blinding agents are egg whites or gum arabic

Dave Daniels:good site for paint <http://www.instructables.com/id/Paint-Made-from-Berries-Nature/>

rosa cesaretti:Some of my best volunteers are the kids who don't do well in school but need a place to feel good about themselves

Stephanie:maybe i'll start to look at one of the problem kids that way. because he and his mother are constantly misbehaving and i have to figure out how to make the kid be good.

amber:I love the trays you all are using for messy programs!

Gina Monti:Have you ever done a family learning program with mathematics?

JudiK:bedtimemath.org is a great resource for math programs

Dave Daniels:i saw a good one years ago with colors and math. Each color had a number and kids had to add paints to create the color to answer the math question red is 1 blue is 2 purple is 3 so  $1+2=3$

Gina Monti:All great suggestions; thank you all

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Pamela Y. McCreless:What age group does this work well with?

Patrina Garza:could you please share the name of the organization the grant funding was secured from?

Patrina Garza:Thank you!

Shih Fa Kao:Perhaps Microworkshops?

Ann Miller:science expo

Eric:I am working on a grant for early childhood STEM storytimes

Janelle:Storytime for sure.

Gina Monti:Microworkshops and Science Club Jr

Abby Rowsell:We're developing a tween / grade school area, excited about trying the mini workshops on a tray

JudiK:Passive programming for disengaged youth

Carly Bastiansen:passive programs, like your Microworkshops

Janet:we have thinkshop programs that are just for STEM

Ashley Pearson:Using a local "biobus" as a family engaging program

Mahogany Singleton:I think passive would work really well here.

Melanie I.:I've changed one of my Storytimes into a STEAM Storytime..it's been very popular

Ginger:We're launching bi-monthly STEAM program for homeschoolers soon

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Deema:Passive program / drop-in

amber:afterschool dropins

Gina Monti:Family learning

Julia:we do a saturday science storytime

Patrina Garza:family expo type programs on saturdays or evenings

Shih Fa Kao:Also Science Storytimes

Lisa Brady:I do Preschool STEAM programs for ages 3-5

Amanda Luna: Family programs would be great

Marisha Sullivan:passive programming or mini workshopsin our makerspace that we're working on

Kate S.:I had really good results with putting my 3D printer out in the library. I think that microworkshops would be great. I'm excited about the possiblity of getting a microscope and maybe a sewing machine.

Deema:Family Learning sounds like fun!

Shih Fa Kao:Where can I learn more about Science Storytimes?

Mary Wickham:Maker camp for 6-8 year olds

Gabriel Johnson:We're putting STEAM kits out during game nights

Pat Schons:homeschool

rosa cesaretti:We have a day camp during the summer that has a large group of kids that "invade" the library looking for something to do. I think that the bite-size engagement would work for this group

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Lisa D.:We have done STEAM programming in our already established after school program for K-5

Stephanie:I do Teen STEAM three Tuesdays out of the month. the first is an art activity, the second is a science activity and the third is video gaming

Mahogany Singleton:We had a program for robotics with cubelets but no teens turned up - mostly younger tweens for a weekend program

Melanie I.:I'd love to try the Science expo and the science club jr programs look great! I'd love to try them

Lucretia:educating teens as junior instructors...to take the lesson and materials to other schools and after school programs

Pamela Y. McCreless:Monday Night Media Lab sessions -- we have iMacs, USB turntable, Garage Band, Audacity, iPads, Chromebooks

stacywh:Microworkshops

Patricia Stuckey:We need to deal with problems with after school kids anyway. Perhaps we should build programs around problem ages and times.

JudiK:afterschool STEM in partnership with local school

rosa cesaretti:we have regular coding bootcamps during the school winter and spring holidays

Amaka:can you spell that please

Amaka:Bio...?

Sondra:blitz

Amaka:Thanks so much!

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June 14, 2016

Gina Monti:Here's how to make a microscope with a smart device, a glass bead, and the 3D printer file for a clip: <http://gizmodo.com/how-to-make-a-1000x-microscope-with-your-phone-and-a-gl-1637657712>

Gina Monti:In case anyone was interested

Mary Augugliaro - Infopeople:Handouts and slides are available here <https://infopeople.org/civicrm/event/info?reset=1&id=556>

Marisha Sullivan:Some areas do things like "bio-blitz" with bird migrations and insects--I know some Cleveland, OH area groups have used those to great success with kids.

Stephanie:I had someone come in and speak to the teens about gaming. He worked in putting sound in video games.

Melanie I.:oh that's pretty cool

Lucretia:yes!

Marisha Sullivan:You can also get teens in to teach tech to seniors. ^\_^ We're thinking about trying this.

Lisa D.:Marisha, we do Teens Teach Tech for adults. The adults love it.

Marisha Sullivan:Lisa--I've heard good things about this idea from my library friends!

rosa cesaretti:I have volunteers that come in on Saturdays and help adults learn about the internet and computer skills. It's called Computer Pals

Marisha Sullivan:Rosa--I like the name!

rosa cesaretti:thank you

Marisha Sullivan:With teens, it's so important to hit them up when they get into school for their first year before they have sports and band and a

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June 14, 2016

million clubs!

Melanie I.:^^yes

Marisha Sullivan:We've found that we have to hit 6th (beginning middle school) and 9th (beginning high school)

Karen:The YA librarian and I will be working with the high school robotics club to create a tween robotics club at our branch in the fall. excited about this.

rosa cesaretti:Marisha- so true - they feel attached once they've been working with you since the middle school age.

Melanie I.:I completely agree Marisha! Getting them when they are in middle school is nice because they aren't too involved in everything in high school

Rebecca Hill Long:working with children of color, you might want to outreach to the faith community - as this is a strong force in their communities

rosa cesaretti:Our teen volunteers run our LEGO club.

Melanie I.:\*oops typo! \*they are committed to something before they get too involved in high school

Lucretia:agree about FAITH community

Pat Schons: there are a few high schoolers that might be promising

Carr:Boy and Girl Scouts are great about volunteering and leading as well

Mahogany Singleton:Of the regular attendees - absolutely

Marisha Sullivan:Most of my regular teens are actually homeschoolers and teens with developmental disabilities and might not be comfortable being

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June 14, 2016

that kind of position...

Pamela Y. McCreless:We have Yu-Gi-Oh experts, PS4 and XBOX One experts

Kate S.:We use teen volunteers regularly, especially in the summer

stacywh:Definitely. They always volunteer for Summer Reading.

Lucretia:Scouts can be cost prohibitive for small...regardless of ethnicity/race

Lucretia:excuse me \*\*prohibitive for SOME..."

Marisha Sullivan:Gesundheit!

Karen:ARe there any specific library blogs you would recommend that are really focused on STEAM programming. But all of these are great suggestions, thanks

Chuck - Infopeople:You can get Amy's handouts at:  
<https://infopeople.org/civicrm/event/info?reset=1&id=556>

Karen:thanks!

C. Bennett:yes mad scientist palm beach county, we use them alot at the Martin County Library System

Lucretia:<https://www.google.com/#q=robot+test+kitchen>

Stephanie:i am going to try that because I am doing STEAM monthly at my library and it's something that I think I can help grow for my system

C. Bennett:Bought the robot turtle for our little ones

Gabriel Johnson:You can also partner with <http://www.techgirlz.org/> for getting free pre-designed curricula.

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June 14, 2016

Lucretia: better link <https://robottestkitchen.com/>

Kate S.: I want to partner with the astronomy club.

Shannon Eck: [www.code.org](http://www.code.org)

rosa cesaretti: We are near Jet Propulsion Laboratory.

Carol: local professor of game design

Patricia Stuckey: Extension Service Master Gardeners, Scouts

Eric: Ideaworks a local co-op

Deema: County Extension Office

Melanie I.: Makers space in the high school? Or the Science Club at a local high school -- I haven't reached out to them but I will try to for the fall once school resumes

Shih Fa Kao: There is a local engineering council

Patrina Garza: I recently reached out to an astronomy club! I hope we can offer a 'star party' this fall. yay!

C. Bennett: great resource is also [education.com](http://education.com)

Patrina Garza: there is also a gardening center very closeby to my library that I want to reach out to for nature-science programs

Rebecca Hill Long: keep in mind to invite individuals and groups are themselves of color, since we're talking about diversity and equitable access

JT: Thank you very much!

Chat from: STEAM Programming for Diverse  
Populations June 14, 2016

rosa cesaretti:Thank you! very informative webinar

Rogers:What type of activities did you offer at your science expo?

Tammy Hawley-House; ICfL:Thank you!

Rebecca Hill Long:Thank you!

Patrina Garza:this was great, thank you! I hope to come snoop around Skokie library's STEAM space soon (I'm out in West Chicago). Thanks so much Amy!

Angela:Thank you. Very informational.

Gina Monti:Did you have any experience with programs on sewing or cosplay?

Patricia Stuckey:Home Depot garden center will do a program. State or National park service

Lucretia:THANKS...very well done. great info for work and engaging my daughters in STEAM!

Rebecca Hill Long:National Black Astronauts, Pilots, etc.

Eric:I love your blog! Been using it your ideas.

C. Bennett:Thank you Amy for all the work and your great presentation!!

Shih Fa Kao:This is my first webinar with infopeople. Is there a place where I can watch this webinar again?

abrookens:Thank you. You give me alot to talk to my branch manager about

Pam Gunter:Thank you...I have tried a coding program and various science programs for kids gr. 1-5 but got some great new resources and

Chat from: STEAM Programming for Diverse  
Populations June 14, 2016

ideas here.

abrookens:Very informational

stacywh:Thanks! Some great ideas!

amber:<http://dekalblibrary.org/events/?id=33118> I'm am part of a group  
that has started a cosplay contest

Marisha Sullivan:DO you have any recommendations for how to invovle  
kids who are mostly interested in sports?

Melanie I.:Great webinar! Thanks so much for so many great ideas AMy &  
everyone else! Have a great day!

Tammy Hawley-House;  
ICfL:<http://www.connectamillionminds.com/campaigns/stem-in-sports/>

Janet:Thanks for your time! It was very informational :) Good ideas and  
places to go!

Stella Mittelbach:Your handout has a link to World Water Monitoring. Have  
you tried the kits yourself? Would kids see the results immediately or do  
you have to wait a long time?

Marisha Sullivan:Thank you!

Teresita:thank you

Wendy Chen:Thank you so much for sharing STEAM programs at your  
library

Rogers:Thank you, this is great information

Stella Mittelbach:Cool, thanks

Shih Fa Kao:Thank you.

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Shih Fa Kao: This is my first webinar with infopeople. Is there a place where I can watch this webinar again?

Rebecca Hill Long: Thank you, Amy!!

Desiree: Thank you!

Amanda Luna: Thank you, Amy!

Chuck - Infopeople: <https://www.surveymonkey.com/r/GFG7CZ2>

Mahogany Singleton: Thank you!

Danielle Costello: Thank you so much!!

Stacy Gordon: Bye and thanks!

Karen: Thank you!