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

Rogers: Lisa R. Music here also

Chuck - Infopeople: Hi Shih, it's not the software but your computer 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 please 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
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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
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.
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: Binding 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
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 Rowswell: 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 workshops in 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 possibility 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
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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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](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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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
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 a lot 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.
Lucretia: better link https://robottestkitchen.com/

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

Shannon Eck: 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

Patrina Garza: There is also a gardening center very close by 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!
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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
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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 involvle 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.
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!