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Science Action Club National Girl Collaborative Network Project

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ACTION CLUB

Agenda

- Webinar Goals
- Network Project Overview
- Science Action Club Overview
- Project Timeline, Benefits, and Expectations
- Project Evaluation Information
- Application Overview
- Questions and Discussion



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Webinar Goals

- Learn the basics about the NGCP Network Project model
- Learn the goals of the SAC-NGCP Network Project
- Review Trainer Expectations
- Review Educator Expectations
- Review Application Questions





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Leveraging the Network and Serving Programs

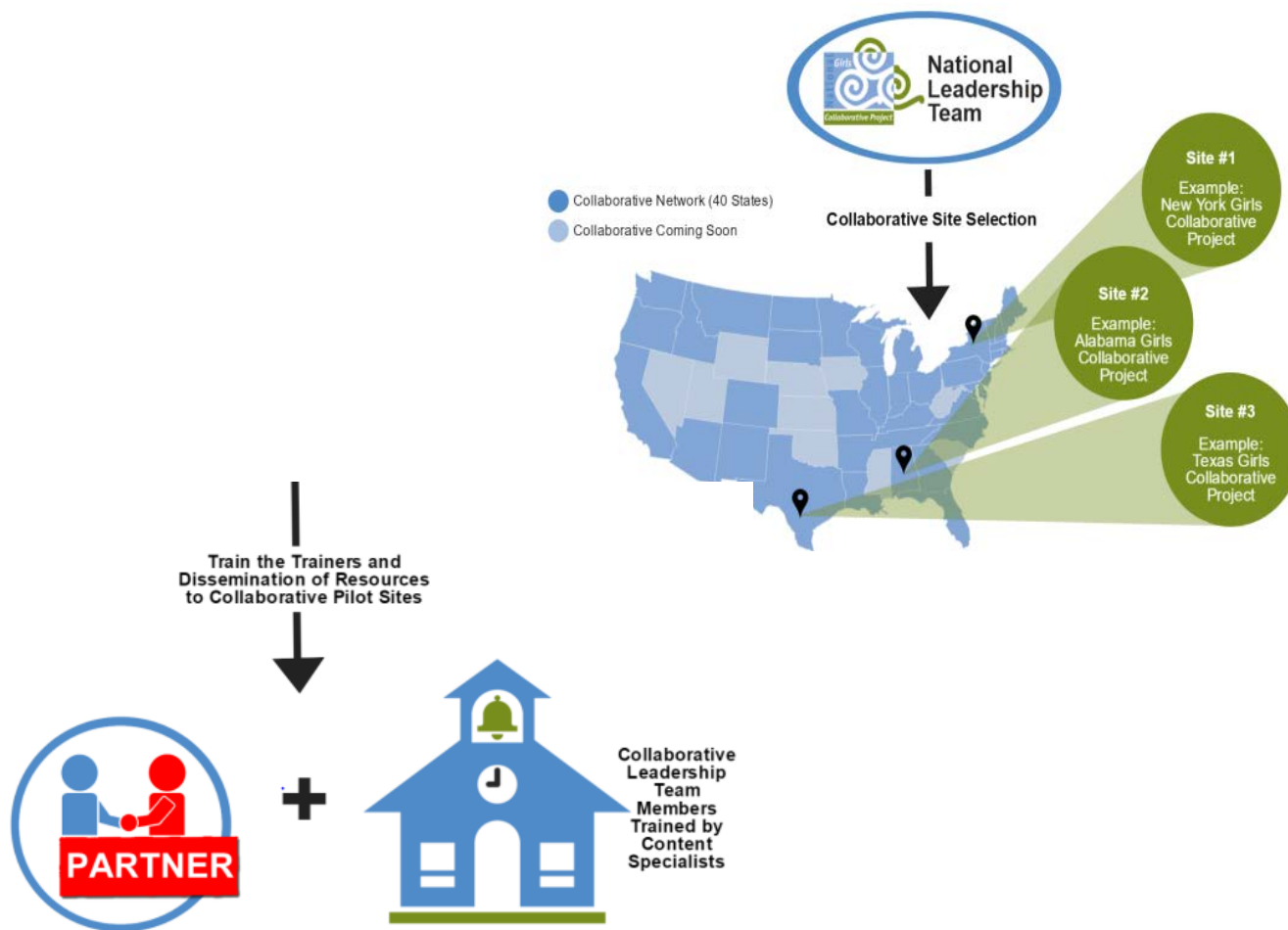
WaterBotics – Texas Girls Collaborative Project
National Science Foundation ITEST Scale-Up





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The Network Project Model





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The Network Project Model



Training for educators and professionals working in
local youth-serving STEM programs.



IMPACT

Community of Trained Educators
Directly Impacting Youth in their Communities





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Network Projects



Smithsonian
Latino Virtual Museum

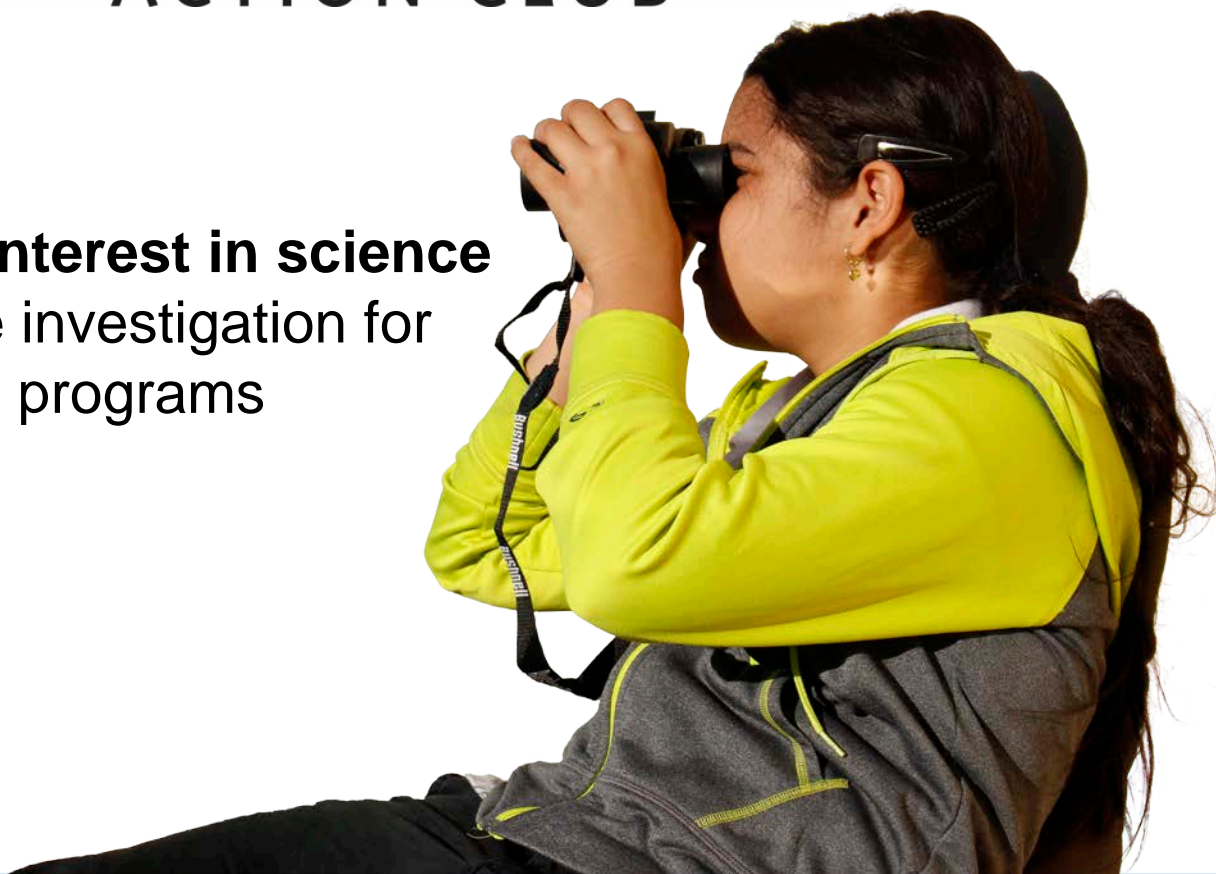




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Sparking youth interest in science
Hands-on science investigation for
out-of-school time programs



NATIONAL GIRLS COLLABORATIVE PROJECT



Science Action Club Goals

- Inspire wonder and curiosity about science and the natural world
- Provide hands-on experience with the scientific process and build STEM identities
- Connect afterschool programs with the global scientific community through citizen science



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Our Program

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2: OBSERVE LIKE A SCIENTIST

Materials

- SAC notebooks
- pine cones
- floss

A

- white construction paper

C

- scissors
- crayons

D

- magnifying lenses

Preparation

- Cut floss into 1 foot sections - 1 per pair



Science Action Club

2011

2012

2013

2014

2015



Science Action Club

2011

2012

2013

2014

2015

2016





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Bugs in Your Schoolyard

- Explore environmental impacts
- Collect arthropods
- Share discoveries





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Birds in Your Schoolyard

- Explore environmental impacts
- Conduct bird counts
- Share discoveries





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Online Training

Meet the Science Action Club Team

Science Action Club is led by a passionate team of science educators with expertise in education, citizen science, and a wide variety of STEM subjects.



Thanks for
joining us.
Let's get
started!



Litmos
by CallidusCloud

Indestructible Web

Asking Higher Order Questions

This engineering design challenge provides youth with a great opportunity to iterate and improve their design multiple times.

Ask youth to analyze:

- Was their web effective in achieving the goal? Why or why not?

Ask the group use evidence:

- What information are you using to improve and redesign your web?

Arthropod Puzzle

**Scientists bring together different pieces of evidence
in order to make discoveries.**

In *Arthropod Puzzle*, sketch parts of an arthropod then combine evidence to create a full image.



NEXT >

< PREV NEXT >

Project Timeline

2016	
August 2	Collaborative Applications DUE
August 11	Science Action Club Collaboratives Announced
August-September	Collaboratives recruit Educators for participation in SAC Training Series (Fall, Spring)
September 13, 2016 12pm Pacific, 3pm Eastern	Pre-Workshop Webinar
September 23, 2016 ASTC Conference Tampa, FL	Trainer Workshop – Bugs Module
October	Master Trainers host Bugs Module Training with Educators
October 11, 2016 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP Team
November 8, 2016 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP-SAC team
December 13, 2016 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP Team
January 10, 2016 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP Team



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Project Timeline

2017

2017	
January Date and Location TBD	Trainer Workshop – Birds Module
February	Master Trainers host Birds Module Training with Educators
February 14, 2017 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP Team
March 14, 2017 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP-SAC team
April 11, 2017 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP Team
May 9, 2017 12pm Pacific, 3pm Eastern	Trainer Support Call with NGCP Team
June 13, 2017 12pm Pacific, 3pm Eastern	Master Trainer Wrap up



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Project Benefits

- Development of a Citizen Science Educator Training network
- Curriculum guidebooks and teaching kits
- Leadership in efforts to support youth development through citizen science
- Participation in a community of practice - ongoing professional development through monthly community meetings





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Project Benefits

- Travel/lodging
- Stipend (\$600)
- Limited financial support for workshop expenses





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Trainer Expectations

Trainers:

- Attend two one-day Master Trainer Workshops
 - September 23, 2016 and January 2017
- Recruit 15+ Programs for 2 Educator Workshops
- Utilize the NGCP Events System for registration, marketing, attendance, and follow-up



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Trainer Expectations

Trainers:

- Assist in evaluation efforts by connecting with Educators about participation
- Participate in monthly community meetings
 - ***Second Tuesday at 12pm Pacific/3pm Eastern***
- Encourage and support the use of the SAC online training system

Educator Expectations

Educators:

- Implement 12 one-hour activities
 - October 2016 – February 2017
 - February 2017 – May 2017
- Be active participants in SAC Educator Community facilitated by the Master Trainers
- Support the ongoing educator- and youth-level evaluation efforts
- Add program information to The Connector



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Evaluation

	Trainer Workshop	Educator Workshop	Curriculum Implementation	Ongoing
Trainer	Post-ToT Survey	Post-Educator Workshop Trainer Reflection	Trainer will support Team efforts to collect completed surveys	
Educator		Pre-Educator Workshop Survey	Pre-Implementation Survey	Attendance report and implementation feedback
		Post-Educator Workshop Survey	Post-Implementation Survey	
Youth			Pre-Experience Survey	
			Post-Experience Survey	



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Application

- Create an account
- General Collaborative information
- Trainer information
 - Resume/CV
 - Letter of Support
- Workshop information
- Commitment/Collaboration statements



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Questions and Discussion



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