



CALIFORNIA
ACADEMY OF
SCIENCES

Science Action Club National Girl Collaborative Network Project

CALIFORNIA ACADEMY OF SCIENCES



ACTION CLUB



NATIONAL GIRLS COLLABORATIVE PROJECT



CALIFORNIA
ACADEMY OF
SCIENCES

Agenda

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





CALIFORNIA
ACADEMY OF
SCIENCES

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





CALIFORNIA
ACADEMY OF
SCIENCES

Leveraging the Network and Serving Programs

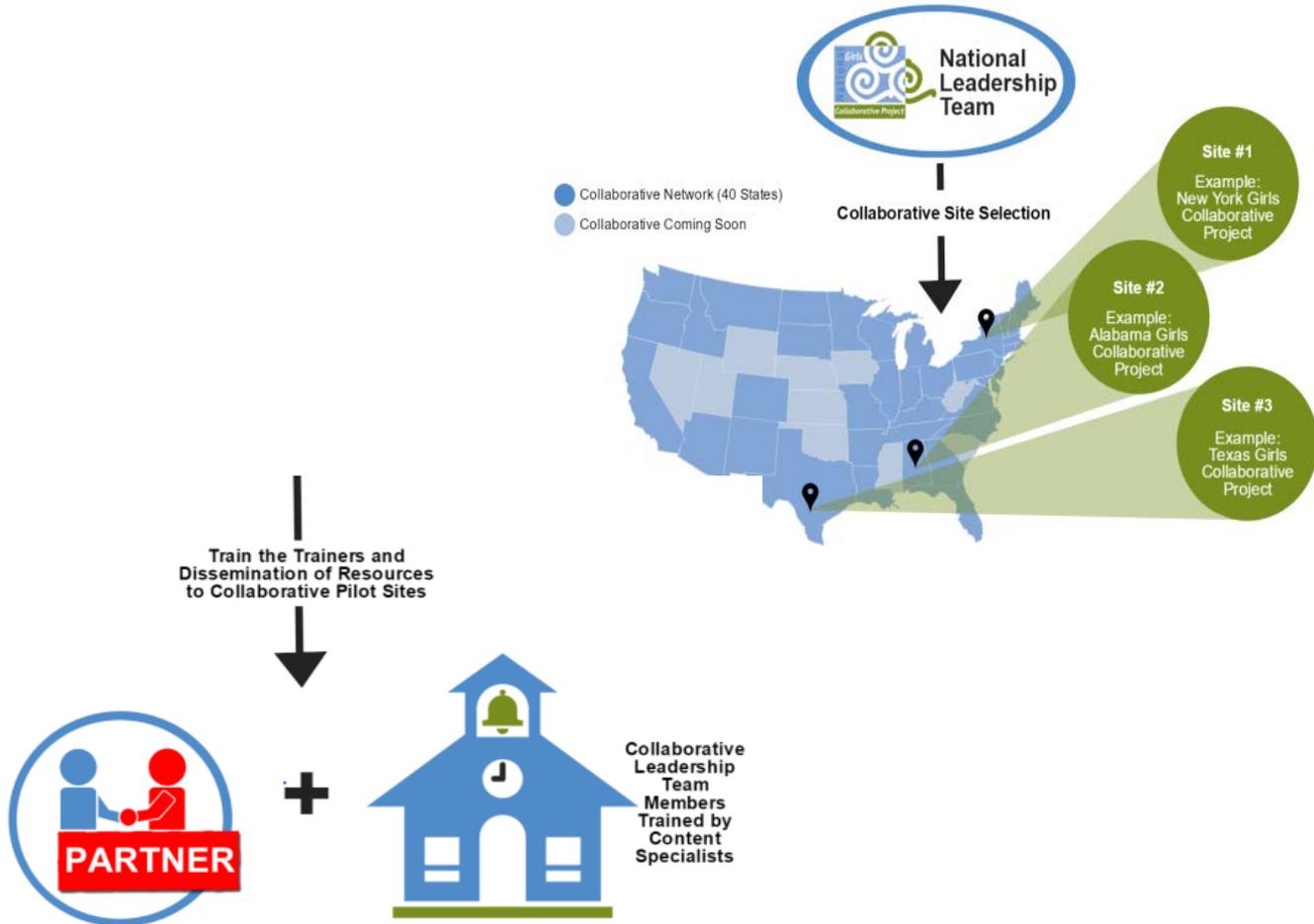
WaterBotics – Texas Girls Collaborative Project
National Science Foundation ITEST Scale-Up





CALIFORNIA
ACADEMY OF
SCIENCES

The Network Project Model





CALIFORNIA
ACADEMY OF
SCIENCES

The Network Project Model



Program #1
Example Audience:
Educators/Staff at
GirlStart

Program #2
Example Audience:
Educators/Staff at
Girl Scouts

Program #3
Example Audience:
Educators/Staff at
Boys and Girls
Club

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



IMPACT

Community of Trained Educators
Directly Impacting Youth in their Communities

The impact section features a large blue box with a sunburst background. At the top, a row of blue silhouettes represents the trained educators. Below the 'IMPACT' text, there are two rows of silhouettes: the top row shows a line of diverse youth holding hands, and the bottom row shows a line of diverse adults holding hands, representing the community of educators.



CALIFORNIA
ACADEMY OF
SCIENCES

Network Projects



Smithsonian
Latino Virtual Museum



INVENTIONX

CALIFORNIA ACADEMY OF SCIENCES





CALIFORNIA
ACADEMY OF
SCIENCES

CALIFORNIA ACADEMY OF SCIENCES



ACTION CLUB

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



NATIONAL GIRLS COLLABORATIVE PROJECT



National
Girls

Collaborative Project



CALIFORNIA
ACADEMY OF
SCIENCES

Science Action Club Goals

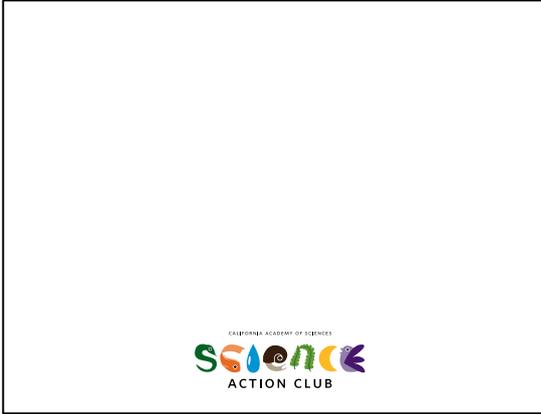
- Inspire wonder and curiosity about science and the natural world
- Provide hands-on experience with the scientific process and build STEM identities
- Connect afterschool programs with the global scientific community through citizen science





CALIFORNIA
ACADEMY OF
SCIENCES

Our Program



Science Action Club

2011

2012

2013

2014

2015

2016





CALIFORNIA
ACADEMY OF
SCIENCES

Bugs in Your Schoolyard

- Explore environmental impacts
- Collect arthropods
- Share discoveries





CALIFORNIA
ACADEMY OF
SCIENCES

Birds in Your Schoolyard

- Explore environmental impacts
- Conduct bird counts
- Share discoveries



eBird
The Cornell Lab of Ornithology





CALIFORNIA
ACADEMY OF
SCIENCES

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 >



CALIFORNIA
ACADEMY OF
SCIENCES

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



CALIFORNIA
ACADEMY OF
SCIENCES

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

NATIONAL GIRLS COLLABORATIVE PROJECT





CALIFORNIA
ACADEMY OF
SCIENCES

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





CALIFORNIA
ACADEMY OF
SCIENCES

Project Benefits

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





CALIFORNIA
ACADEMY OF
SCIENCES

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





CALIFORNIA
ACADEMY OF
SCIENCES

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



CALIFORNIA
ACADEMY OF
SCIENCES

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	



CALIFORNIA
ACADEMY OF
SCIENCES

Application

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





CALIFORNIA
ACADEMY OF
SCIENCES

Questions and Discussion



NATIONAL GIRLS COLLABORATIVE PROJECT