National Girls Collaborative Project
Smithsonian Latino Virtual Museum (LVM) Transmedia Project

October 2, 2014
Agenda

• NGCP Overview

• The Smithsonian Latino Virtual Museum Introduction

• Teacher Toolkit Overview & Sample Module

• Voices from the Field

• Questions and Answers
NGCP Vision

The National Girls Collaborative Project (NGCP) brings together organizations that are committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM).
National Network of Collaborative Teams
NGCP Goals: Maximize Access to Shared Resources

Building a Network Through Collaboration

**Girl Scout Council**
Want to host STEM program for girls but their facilities are booked and they are looking for exciting hands-on activities.

**Science Museum**
Looking for ways to attract more Latino, African American, and American Indian visitors.

**University**
A college chapter female engineering students wants to get involved in bringing more girls into the profession.

**Girls Inc.**
An after-school program for middle school girls needs ideas for how to offer motivating and engaging STEM experiences.

**Need:** Facility, exciting hands-on activities, role models to deliver activities

**Need:** Access to girls, particularly under-represented girls

**Need:** Exciting hands-on activities, role models

**Need:** Access to girls, particularly under-represented girls

**Need:** Access to girls, exciting hands-on activities

**Resource:** Access to girls

**Resource:** Facility, exciting hands-on activities

**Resource:** Role models to inspire girls

**Resource:** Transportation to the event

During NanoDays (week-long celebration of nanotechnology), the science museum hosted a STEM Expo and lunch with role models and engineering students for an audience of 100 Latina mothers and daughters from local Girl Scout troops and Girls Inc. members. Activities from SciGirls and NISE Network (nanotech) engaged girls in hands-on activities, introduced girls and their mothers to local STEM role models, and informed mothers about the educational pipeline for STEM opportunities for their daughters.
NGCP Goals: Strengthening Capacity with Exemplary Practices
NGCP Goals: Gender Equity in STEM
Smithsonian Latino Virtual Museum (LVM)

The LVM is a cross-platform immersive education initiative based on bilingual mixed media experiences created to enhance visitor's knowledge, understanding and appreciation of Latino Cultural Heritage through innovative and engaging online experiences.

Supported by
LVM Education Goals

• Provide educators with innovative teaching and learning strategies designed to motivate and engage youth in STEM careers.

• Provide educators access to culturally responsive teaching resources that combine real-world and virtual world experiences for formal and informal programs.
Educator Toolkit

6 modules exploring three themes:

- American Experience
- Sustaining a Bio Diverse Planet
- World Cultures
Toolkit Design

- Aligned to Common Core
- 21st Century Skills
- Identity Connections
- Constructivist Approach to Learning
- Critical Thinking
- Career Pathways
¡Chequea Esto!/ Check this out!
Animated Shorts
What is Transmedia?
Curriculum Design

- Immersive Learning Experiences
- Making Connections
- Hands-On Learning
- Sharing and Reflection using media and technology

Cerámica de los Ancestros
CENTRAL AMERICAS PAST REVEALED
Museum-Based Content

• Smithsonian and Affiliate Exhibitions and Collections

• Smithsonian Latino Center virtual exhibitions, games and 3-D simulations

• Smithsonian cultural/educational programs

• LVM public/community user driven content

• Community oral histories
Toolkit Resources

- Life and Career
  - Flexibility and Adaptability
  - Initiative and Self-Directedness
  - Social and Cross-Cultural Competence
  - Productivity and Accountability
  - Leadership and Responsibility

- Information, Media, and Technology
  - Information Literacy
  - Media Literacy
  - ICT Literacy

- Learning and Innovation
  - Creativity and Innovation
  - Critical Thinking and Problem-Solving
  - Communication and Collaboration

11th & 12th Grade Common Core Standards

CCSS ELA Literacy RH.11-12.7: Integrate information presented in diverse media and formats when possible—visually, mathematically, textually, and quantitatively—to address a question or problem.

CCSS ELA Literacy RH.11-12.8: Integrate information presented in diverse media and formats—visually, mathematically, textually, and quantitatively—when possible—in order to make inferences, draw conclusions, identify patterns or trends, explain evidence, or identify gaps in reasoning and/or research.

CCSS ELA Literacy RH.11-12.9: Integrate information from diverse sources, both primary and secondary, into a coherent understanding of an idea or event, noting discrepancies among sources.

Create color copies of the crab playing card marker for students to scan with mobile devices to introduce them to the crab and its movement sequence.
Girls Inc. and LVM!

Partners:
Girls Inc. and Arleta K-8 School (SUN Program)

Successes:
LVM materials/content sparked girls interest!
Infuse Positivity, San Antonio, Texas

www.facebook.com/infuseposi
The Biosphere and You!

- Field Trips
- Guest Speakers
- Game Time – bringing together key elements of the field trips and speakers
- Mini Engineering Challenges
- Culminating Activity
- Connecting to Home Life
- More Game Time & Cultural Connections in the Fall!
Engaging Girls in STEM

- Hands-on group activities and opportunities for collaboration
- Personally relevant resources and activities that can be localized
- Different learning approaches that foster creativity
- Girls see themselves as scientists!
Questions?
Get Involved

National Girls Collaborative Project

What does NGCP mean to you? We often hear from you, our community, the phrase “I love NGCP...” and it means so much to us! This month NGCP is turning 12 and to celebrate we are taking collaboration love viral. Share why you love NGCP using the hashtag #LOVENGCP.

I ♥ NGCP

Like · Comment · Share

Karen Peterson, Noha Mohamed and Olivia Pavco-Giacia like this

Olivia Pavco-Giacia 1 #LOVENGCP because it inspires girls to see themselves as a part of a wonderful STEM community
Get Involved

NGCProject
@ngcproject
Advancing K-12 Girls in STEM through Organizational Networks, Collaboration, and Discourse.

United States
ngcproject.org
Joined March 2009

45 Photos and videos

Tweets
4,802

Tweets & replies

NGCProject @ngcproject - 47m
What does NGCP mean to you? Share why you love NGCP using the hashtag #LOVINGC & help us celebrate 12 years supporting girlsinSTEM!

NGCProject @ngcproject - 2h
Whew, lots of #STEM happenings in our latest e-news, including @ncwit @SWEtalk @conradawards @SACNAS! ow.ly/B3JdP

NGCProject @ngcproject - 4h
Registration is open for @verizon's App Challenge! Sign up for more info! ow.ly/9nD3T

45 Photos and videos
Get Involved

NGCP Supports Science STARS Blogging Project
Science STARS, featured in the September 5th webinar, received NGCP mini-grant funding to produce a series of blog posts written by Science STARS students. STARS Blog Science: A voice for urban girls in science offers a unique look into the lives of a group of girls and how they think about science.

Collaborative Network Activities
Help our Collaboratives connect and serve local programs. Please let your colleagues know about these events happening around the United States. Each month we will send out a call to highlight the programming in our Collaborative network.

Live from New York, it’s the new NY STEAM Girls Collaborative!
Help NY STEAM Girls Collaborative spread the word to New York based organizations that are committed to informing and encouraging girls to pursue careers in STEM by joining their email newsletter distribution list and adding your

NGCP Updates
Why Do You Love NGCP?
We often hear from you, our community, the phrase “I love NGCP...” and it means so much to us! This month NGCP is turning 12 and to celebrate we are taking collaboration love viral! Share why you love NGCP on social media, using the hashtag #LOVENGCP.
What does NGCP mean to you?

In This Issue
Collaborative Network Activities
FabFems Spotlight
Upcoming STEM Events
Champions for Collaboration
Resources
Global Resources
Quick Links
Newsletter Archive
NGCP Website
NGCP Facebook
NGCP Twitter
NGCP Blog
FabFems
Resources

LVM Teacher Toolkit on iTunes U!

NGCP Webinar: STEM Equity in Practice
November 19, 2014
10:00am-PST/1:00pm-EST