NJSACC Presents: Full STEAM Ahead! A mini-conference dedicated to Science, Technology, Engineering, Arts and Math

Register using the link below:

Last day to register is March 4, 2016!

NJSACC: The Statewide Network for NewJersey's Afterschool Programs in partnership with C. S. Mott Foundation, Kean University, New Jersey Department of Education and the Noyce Foundation Present Full STEAM Ahead! A mini conference dedicated to Science, Technology, Engineering, Arts and Math

Everyone is talking about STEAM (Science, Technology, Engineering, Arts and Math). Afterschool is a great place to bring in STEAM activities! But there is often a fear factor when it comes to staff doing STEAM. Many people feel nervous that they won't do the activities the right way or they think that if they don't have a science background it won't work for them. But that couldn't be farther from the truth! Join us to find out how you can implement activities to get the children in your program actively engaged. Also, find out the benefits of learning along with the children in your program and how it can make a positive and lasting impression!

Who should attend?
- Front Line Staff
- Program Directors
- Youth Workers
- Others interested in trying STEAM activities in their afterschool program
New Jersey’s Afterschool STEM & STEAM Initiative

When: Thursday, March 10, 2016

Time: 8:30 am - 2:30 pm

8:30am  Registration
9:00am  Opening Remarks
9:15am  Performance
10:15am - 11:45am  Workshops
12:00pm - 1:00pm  Lunch and Keynote Speaker Maryann Stimmer
1:00pm - 2:30pm  Workshops

Where: Kean University STEM Building
1000 Morris Ave
Union, NJ 07083

Directions: [http://www.kean.edu/libertyhall/visit/directions](http://www.kean.edu/libertyhall/visit/directions)

Cost: $50 per person includes continental breakfast, lunch and materials.

Session 1

1. West African Drumming
The teaching power of West African drumming is explored in a hands-on, interactive workshop. Each participant will learn the basic techniques such as Call and Response, elements of rhythm, and learning the break which is the signal for switching from one pattern to the other. Each rhythm tells a story that will help guide the natural progression of African music that is enjoyed by both the novice and the professional. In addition to the skills introduced in this workshop, there will be an emphasis on the rich and vibrant history of Africa, and how it connects to the world.
Seventh Principle, Young Audiences of NJ, Princeton
2. New Jersey Underfoot
Sand, wood, soil, concrete and asphalt; this is what we walk on every day without thinking about how it got there, and what lies beneath our feet! This workshop will examine the geology and geography of our state and how products from the Earth are used by people. It will feature hands-on activities that focus on classification, interpretation and investigation. Using natural objects, electronic and hard-copy maps and scale models, educators will conduct activities and participate in techniques that can be incorporated into after-school activities and lessons. (Hand-outs and sample lesson plans will be provided.)
Marc Rogoff, Environmental Education Specialist, NJDEP, Trenton

3. Roller Coasters and Ski-Jumps
This session will let you create roller coasters and ski-jumps using foam pipe insulation, tape and marbles. It will also show you how to use these simple activities to teach science skills to youth. The leader of the session has used the materials in many after school settings. The session will also discuss how to obtain further training and materials for hands on science activities.
James Nichnadowicz, Rutgers Cooperative Extension of Union County 4-H Youth Development Agent, Union County

4. 21st Century Afterschool Science Project (21st CASP)
See a demonstration of a free curriculum funded by NJ DOE. This curriculum is designed to enrich student learning through inquiry-based, interactive science experiences with everyday materials.
Mike MacEwan, Trainer, NJSACC, Westfield

Session 2

5. Connecting Art with Citizen Science
Project BudBurst is a citizen science program in which regular people across the U.S. collect and share data on phenology – natural cycles such as when trees first get their leaves. It can be done anywhere, with any species of tree or shrub, which makes it ideal for use in school settings. In this workshop, learn how to connect the art of nature journaling with the science of phenology while participating in Project BudBurst.
Roberta H. Hunter, Acorn To Oak Environmental Education Consulting, Graduate School of Education, Rutgers University
6. Fishable Waters
This hands-on “crafty” session combines land-use planning and impacts on water quality to assess health risks to people and wildlife (specifically fish). Part 1 role-plays a community development project from the perspective of predetermined interest groups. Part 2 facilitates the creation of a 3D model to explore environmental impacts. This session introduces the Hooked on Fishing-Not on Drugs youth fishing education program, how to get involved and access funding for this free program.
Liz Jackson & Alanna Newmark, NJDEP Division of Fish & Wildlife Hooked on Fishing-Not on Drugs Program, Trenton

7. iDiscover Coding 4 Kids
Discover innovative ways on how to reach students of all skill levels with something they can all relate to...Technology! Participants will team up using iPads to learn an "Hour of Code" with Code.org’s amazingly simple and FREE programming tools. In this workshop you will learn how to incorporate this student-friendly software and even some unplugged activities into your program that will inspire tomorrow's leaders to keep learning.
Christopher Jorn, iDiscover, Cranford

8. 21st Century Afterschool Science Project (21st CASP)
See a demonstration of a free curriculum funded by NJ DOE. This curriculum is designed to enrich student learning through inquiry-based, interactive science experiences with everyday materials.
Mike MacEwan, Trainer, NJSACC, Westfield

Register using the link below:

Last day to register is March 4, 2016!