



NOYCE
FOUNDATION

Iowa Afterschool Alliance

April 22, 2015, 10:00-4:30

Pre-Conference STEM Workshop for Out-of-School Program Professionals

Facilitated by National STEM Expert: Maryann Stimmer, STEMeducators

Agenda

- 10:00 Welcome & Overview: What are the goals of STEM programs in afterschool?
Engagement and development of STEM identity and why youth development workers are ideal for this kind of activity.
- 10:15 Dimensions of Success: What does quality look like?
Overview of the DoS quality tool. How can DoS improve program quality?
- 10:30 Curriculum vetting tools: 18 research-based criteria for selecting “best” curriculum
How to find curriculum for afterschool, how to identify quality
- 10:40 Sample Activity: Oobleck: Solid or Liquid?
Quality activities pre-dispose sites to quality implementation, why is it more than “hands-on” and why is it so important? Connections to literacy
- 12:15 LUNCH
- 1:15 Sample Activity: Rainforest Biologist
Using culturally familiar materials, activities that reinforce identity, connecting to the students’ passions as a research-based strategy
- 2:45 Supporting quality
Click2Science PD, Consumer’s Guide, GSG guide, other resources
- 3:00 Creating a Mystery Bottle
Peer observations
- 4:15 Wrap-up, final questions

