National Science Education Leadership Association

2017 Leadership Summit

Lights, Cameras and Action: Leading for Success in Science Education

March 29, 2017

JW Marriott at LA LIVE
Los Angeles, CA
7:30am-4:15pm

Presented in collaboration with 100K in 10
Leaders in Science Education,

At no time in our country’s history has science education been more important than it is today. Whether it be addressing mankind’s grand challenges facing coming generations, or finding solutions to local issues tomorrow, science education leaders must navigate a shifting landscape all while owning the responsibility of implementing positive changes in their field. As science education leaders, we are tasked with understanding the current trends in science education; making decisions on current trends based on evidence; and implementing instructional practices to reflect changes in science education. The leadership strands for the 2017 Leadership Summit and additional professional development series are designed to equip science leaders with the tools and resources to tackle the grand challenges in leading effective science education in an ever-changing system.

The 2017 NSELA Leadership Summit, “Lights, Cameras and Action: Leading for Success in Science Education” will be held in Los Angeles, CA, on Wednesday, March 29, 2017.

1. Cultivating STEM Learning in Science Programs
2. Leadership in Developing and Sustaining Curriculum
3. Messaging and Advocating for Science: What Every Leader Should Know in the Age of Multimedia

Cultivating STEM Learning in Science Programs

The intent of this strand is to engage science leaders in thoughtful reflection of their own science programs and/or classrooms, and how STEM principles and practices can be incorporated into science learning without “jeopardizing” science time. Many science educators feel the inherit tension of STEM “being one more thing”, when in reality the Framework for Science Education and 3-Dimensional learning provide opportunities for students to be engaged in meaningful ways.

Leadership in Developing and Sustaining Curriculum

The intent of this strand is to engage science leaders in understanding essential principles of cutting-edge research that informs the teaching and learning of science, with particular attention to the components of experiential learning and implementation of effective instructional practices. Participants in this strand will experience ways that classroom teaching and professional development might accommodate differences in student learning and build successful science programs.

Messaging and Advocating for Science: What Every Leader Should Know in the Age of Multimedia

The intent of this strand is to engage science leaders in the critical elements for effective communication with stakeholders, ranging from districts to parents to students. Advocating for science programs and STEM to build strong community engagement and support is an essential component of building a strong STEM ecosystem. A wide variety of media platforms will be discussed, as well as effective, research-based messaging strategies for standards and learning.
National Science Education Leadership Association

2017 Leadership Summit

Lights, Cameras and Action:
Leading for Success in Science Education

Program Agenda
March 29, 2017
All events at the JW Marriott at LA LIVE

7:30am
Registration Opens

7:45am
Breakfast & Networking:
How do we address the Grand Challenges of STEM Education?

8:30am
Welcome
Larry R. Plank, Interim Executive Director, NSELA
Talia Milgrom-Elcott, Co-Founder and Executive Director, 100Kin10

9:00am
Plagiarize This!
Dr. Drew Westen, Emory University
10:30am
Break & Networking
What is your role in solving the Grand Challenges of STEM Education?

10:50am
Breakout Sessions

Session 1: Effective STEM Programs are Based on Teacher Actions that Matter:
A research-based approach to professional learning to impact STEM instruction

Terry Talley, Ed.D.
National Institute for STEM Education
STEM District & Campus Certification and Development

Whitney Dove
National Institute for STEM Education
STEM Teacher Certification and Development

Session 2: Empowering Teachers to Craft Discourse-rich, Multidimensional Science Learning Experiences

Jennifer Folsom
WestEd
Lead Learning Architect of Making Sense of SCIENCE

Kirsten Daehler
WestEd
Director of Making Sense of SCIENCE

Session 3: Professional Development Tools and Strategies to Optimize STEM Learning

Sephali Thakkar
Lewisville ISD, Allen, TX
Instructional Technology Facilitator

Nancy Kellogg
National Science Education Leadership Association
Awards Committee Chair

11:50am
Transition to Ballroom

12:00pm
Welcome
Keri Randolph, President, NSELA
Keynote Address
Jonathan Gerlach
International STEM Education Consultant, Discovery Education

NSELA Awards and Updates

1:15pm
Transition to Breakout Rooms

1:30pm
Breakout Sessions Continue

Session 1: Effective STEM Programs are Based on Teacher Actions that Matter: A research-based approach to professional learning to impact STEM instruction

Terry Talley, Ed.D.
National Institute for STEM Education
STEM District & Campus Certification and Development

Whitney Dove
National Institute for STEM Education
STEM Teacher Certification and Development

Session 2: Empowering Teachers to Craft Discourse-rich, Multidimensional Science Learning Experiences

Jennifer Folsom
WestEd
Lead Learning Architect of Making Sense of SCIENCE

Kirsten Daehler
WestEd
Director of Making Sense of SCIENCE
Session 3: Professional Development Tools and Strategies to Optimize STEM Learning

Sephali Thakkar  
Lewisville ISD, Allen, TX  
Instructional Technology Facilitator

Nancy Kellogg  
National Science Education Leadership Association  
Awards Committee Chair

3:00pm  
Transition to Ballroom

3:15pm  
Themed Solutions Lab Sessions  
Interactive, design-thinking themed sessions to identify root causes and solutions for barriers to improving STEM education that are focused upon summit strands.

4:00pm  
Closing & Electronic Surveys  
Larry Plank, Interim Executive Director, NSELA

4:15pm  
Adjourn

Please join us for the 2017 Summer Leadership Institute!  

Henry Doorly Zoo  
Omaha, NE  
June 28-Jun 30, 2017