



Proven Science Programs

**SEPUP ACADEMY Silverthorne, CO**

**July 23-27, 2018**

### **AGENDA**

- Hotel: Holiday Inn Frisco, 1129 Summit Blvd, Frisco, CO 80443; Tel 970-668-5000.  
*LAB-AIDS will cover room and tax, billed directly to our master account.  
Bring a credit card for check-in to cover incidental expenses.*
- We will meet at the Keystone Center, 1628 Sts John Road, Keystone, CO
- Mark's cell phone: 510-417-6547, [mkoker@lab-aids.com](mailto:mkoker@lab-aids.com)
- *Participants bring tablets or laptops, make sure to do your advance reading, available on the conference padlet (you will get separate info on how to access by July 14)*

#### **SEPUP Academy Staff**

- Dr Mark Koker, LAB-AIDS Institute, San Leandro, CA
- Dick Duquin, LAB-AIDS Senior Consultant, Kenmore, NY
- Lisa Kelp, LAB-AIDS Institute, Novi, MI
- Dr Lisa Martin Hansen, Chair, Science Education Group, CSU-Long Beach, Long Beach, CA
- Maia Binding, SEPUP Developer
- Dr Stan Hill, Director, Center of Excellence for Research, Teaching and Learning, Wake Forest School of Medicine, Winston-Salem, NC
- Chris Keller, Technology Manager, Lab-Aids
- Hethyr Tregerman, LAB-AIDS Product Manager, Lab-Aids

#### **Monday, July 23**

- Travel to Colorado; hotel check in time is 3 pm.
- Van Shuttle from the Denver Airport is through Shuttle Express (<https://www.summitexpress.com/reservations/?LOGON=GO&portal=LABAIDS>, password LAB2018). You can make your reservations in advance. Check in at the Shuttle Express counter in the Denver airport upon arrival and after claiming luggage, for the ride up the 'hill' to the hotel in Silverthorne, about 90 minutes, depending upon traffic, and you are dropped at the hotel.
- If your plans change, please change or cancel your reservation within 24 hours of scheduled time.

6:00 Dinner, meet in the lobby, Baker's Brewery, drive from hotel

## **Tuesday, July 24**

- 7:00 Continental Breakfast, hotel, on your own
- 7:30 Meet in lobby to carpool to Keystone Center
- 8:00 Welcome and introductions
- 8:25 Meeting overview, *Mark*
- 8:30 SEPUP Top Ten, *Mark*  
*What's most important about SEPUP? Is it the issues? The support for literacy and assessment? The cute little trays and bottles? This activity will help put it all in perspective. hashtag: #SEPUP*
- 9:30 Goals for the Week and Notebook setup, *Dick*
- 10:00 Using Issues in SEPUP, *Mark and Dick*  
*Over the years, SEPUP has become known for its use of societal and personal issues to drive the science curriculum. In this session, we take a closer look at an exemplar activity and unit (Chemical Reactions 12, Recovering Copper) to focus on the associated environmental issues.*
- 12:00 Lunch
- 1:00 Literacy in SEPUP, *Dick*  
*SEPUP develops and integrates strategies to support student reading comprehension, writing, oral language, and synthesizing information. This session will include a review of the strategies using selected SEPUP program materials and our approach for using notebooks in the science classroom.*
- 3:00 SEPUP support for Engineering and the NGSS, *Mark and Lisa*  
*The 3<sup>rd</sup> Edition materials include additional opportunities for students to engage in a meaningful way with the Science and Engineering Practices (SEPs). We will work through selected activities from the new unit, Chemical Reactions. This is a DESIGN activity type. Students design a hand warmer and then construct, test, and evaluate a prototype.*
- 5:00 Dismiss, ride back to the hotel
- 6:30 Dinner  
*We will meet in lobby to ride to Breckenridge for dinner at Mi Casa restaurant, with time to stroll Main Street in Breckenridge and load up on high-quality tourist products!*

### **Wednesday, July 25**

7:00 Continental Breakfast, hotel, on your own

7:25 Meet in lobby for rides to Keystone Center

8:00 SEPUP and NGSS, *Maia*

*In August 2015, SEPUP began development of its third edition for the middle school, redesigned for the NGSS. Three years later, we have 15 of the 17 units ready for use and will finish the final two units by January 2019. This effort has involved redesigning existing units, developing new units, and adding new support for literacy, assessment, equity, engineering, and other aspects of NGSS. We will provide an overview of the process and milestones along the way, and an update of the NGSS assessment development grant, funded by the Carnegie Corporation.*

10:00 Assessment in SEPUP, *Dick and Mark*

*The assessment system in SEPUP, originally developed in 1995-98, has received national interest and acclaim. This session will present an overview of the best assessment system that teachers never use, with attention to criteria setting with the scoring guides, and coaching teachers.*

12:00 Lunch

1:00 Mid-conference break

*What good is being in such a beautiful spot if you stay indoors and work all the time? Okay, that's rhetorical, no need to answer! You can hike with us to Shrine Ridge, bike the Dillon Lake, shop until you drop in the local mall outlet stores, or just hang out and stare at the mountains. More detail on outdoor options to come.*

6:30 Dinner, meet in lobby, drive to restaurant, TBA

### **Thursday, July 26**

7:00 Continental Breakfast, hotel, on your own

7:30 Meet in lobby to carpool to Keystone Center

8:00 SEPUP and the Nature of Science, *Mark*

*The NGSS provide ancillary support for the nature of science, seen at the bottom of selected foundation boxes and appendices. This session will unpack this topic and detail SEPUP support for this critical science program outcome.*

10:00 Overview of new unit: Land, Water, and Human Interactions, *Mark and Lisa*

*Land, Water, and Human Interactions is perhaps the most integrated new single SEPUP unit and deals with the human and geoscience impacts on the environment. This session will provide an overview and a look at an activity modeling the effects of fertilizer runoff.*

- 11:00 Perspectives on Curriculum Leadership and Change, *Stan*  
*Teaching science and implementing NSF reform-based inquiry programs in large school systems can be challenging. Developing leadership to further support these efforts can be even more challenging, but also deeply rewarding. Stan will share his experiences and reflections with us.*
- 12:00 Lunch
- 1:00 Technology support for SEPUP, *Lisa and Chris Keller*  
*New tools include Labsent videos for absent students, new PowerPoints, new PD video support, our Magic Box gateways, plus support for the EQulP rubrics and tools, and more! Bring your laptops and tablets.*
- 2:00 High School SEPUP, *Mark*  
*This workshop will introduce the SEPUP high school biology course through a popular activity on gene expression and includes supporting literacy strategies*
- 3:00 *Taking Leadership for SEPUP: Adult learners and workshop facilitation, Dick*  
*What are the differences between adult learners and children? What is your preferred learning style? How can this knowledge help you as a workshop leader?*
- 4:00 Taking Leadership for SEPUP: Using CBAM in Workshop planning, *Mark*  
*This session will provide an overview of leadership options for SEPUP, including a look at the Concerns-Based Adoption Model (CBAM) work, from UT- Austin*
- 5:00 Final conference evaluation, certificates, and group photo, *Mark*
- 5:30 Return rides to hotel
- 6:00 Dinner, on your own

***Friday, July 27***

- 7:00 Continental Breakfast, hotel, on your own

*Safe travels back home!*