

Breckenridge, CO

**SAMPLE** Summer Academy Agenda

Below is a **SAMPLE** agenda for the Lab-Aids Summer Academy. The Academy agenda is a foundational piece that briefly changes each year. Participants may see a few different electives or other slight changes but can expect a similar layout and experience that is described in this sample agenda.

Hotel: Marriott Residence Inn, 600 South Ridge St., Breckenridge, CO 80424; Tel 970-453-1181

*Summer Academy Staff*

- Dr. Lisa Kelp, Chief Academic Officer, Lab-Aids, South Lyon, MI
- Lisa Wissert, Lab-Aids Education and Curriculum Specialist, Lab-Aids, Chicago, IL
- Hethyr Kreger, Director of Publications, Lab-Aids, Castle Rock, CO
- Stephanie Wallace, Sales Operations Manager, Lab-Aids, Shrewsbury, MA
- SEPUP Developers, Berkeley, CA
- Lab-Aids Certified Trainers

*Thursday*

3:00 **Hotel check-in**

5:45 **Meet in hotel lobby**  
Dinner, at 6:00p

*Friday*

Foundations

7:00 **Continental Breakfast, hotel lobby**

8:00 **Welcome and introductions, meeting overview**

8:45 **SEPUP Top Ten**

*What's most important about SEPUP? Is it the use of issues? The support for literacy and assessment? The cute little trays and bottles? NGSS alignment and support? This activity will help put it all in perspective. Hashtag: #SEPUP*

9:55 **Goals for the Week and Notebook setup**

10:30 **Using Issues in SEPUP**

*Over the years, SEPUP has become known for its use of societal and personal issues to drive the science curriculum. In this session, we will take a closer look at an exemplar activity and unit to focus on the associated environmental, personal, and societal issues.*

12:00 **Lunch**

1:00 **Using Driving Question Boards to Make Phenomena Meaningful and Connected**

*Pro-tips and full exemplary DQB walkthrough, with a DQB set up for our Academy week. Several DQBs will be showcased on different platforms (In-person, Padlet, etc).*

**2:30 Literacy and Sensemaking in SEPUP**

*SEPUP develops and integrates strategies to support student reading comprehension, writing, oral language, and synthesizing information. This session will discuss the history and evolution of literacy in SEPUP and how we can use this knowledge to improve learning and sensemaking in the classroom.*

**4:00 Brain Break**

**4:15 Differentiation - What is it? How to do it?**

*While the SEPUP approach to teaching and learning is based on research that shows it helps all students learn, teachers still ask for assistance with differentiating within their own classrooms, including meeting the needs of Tier 1, Tier 2, and Tier 3. In this interactive session, you will learn tips to adapt and help all students succeed, as well as engage with other teachers to share tools and ideas.*

**5:30 Closing**

**6:00 Meet in the lobby for dinner**

**Saturday**

**Student Sensemaking**

**7:00 Continental Breakfast, hotel lobby**

**8:00 Student Discourse**

*How do we get students to talk to each other? Cooperative learning is key to implementing Issues and Science into the classroom, but how do teachers initiate, train, and sustain students daily working together in groups? Throughout this workshop we will explore techniques and tips, including several Kagan strategies, to help increase student engagement, conversation, and analytical thinking in the classroom.*

**9:00 Assessment in Issues and Science**

*The assessment system in SEPUP, originally developed with NSF funding in 1995-98, has received national interest and acclaim. This session will present a closer look at the SEPUP assessment system, beginning with background on the original system, and leading into the current Scoring Guides and changes in the assessment approach needed for the NGSS edition. We will then dive deeper and score samples of student work with an eye on criteria setting. It will conclude with a focus on Performance Expectations and other elements related to assessment.*

**11:20 Brain Break**

**11:30 Developing Local Phenomena in Issues and Science**


*While the SEPUP program embeds both anchoring and investigative phenomena, there is power in making learning place-based. How can the Issues and Science units easily connect to local issues and phenomena? Find out in this interactive session designed to help teachers easily connect the learning.*

12:30 **Box Lunch**

1:00 **Mid-conference break**

4:45 **Meet in lobby for walk to dinner**

8:30 **Social Hour, *Patio***



Growing  
Teacher  
Knowledge

*Sunday, June 30*

7:00 **Continental Breakfast, *hotel lobby***

8:00 **Intro to Electives (main room)**

*Elective Programs*

The morning will be divided into 50-minute segments (with ten-minute passing times) designed to allow participants to explore areas of interest to them in breakout sessions held in different locations. See Elective Descriptions at the end of the agenda.

We will meet back in the main meeting room at 12:00p for lunch.

	<b>8:10-9:00</b>	<b>9:10-10:00</b>	<b>10:10-11:00</b>	<b>11:10-12:00</b>
<b>Front Room</b>	Making Local Connections	Classroom Management	Classroom Management	2 Dimensions, Endless Possibilities
<b>Back of main room</b>	What to Grade	What to Grade	Digital Notebooks	Digital Notebooks
<b>Room TBD</b>	Data Sources	Focused Feedback	Vertical Alignment and Progression	Focused Feedback
<b>Room TBD</b>	Focused Feedback	Making Local Connections	Assessment Round Table	Portal How To's

12:00p **Lunch**

1:00p **Silent Academically Productive Talk**

*Dive into interactive techniques that foster profound discussions without traditional verbal communication. Experience techniques that encourage deep processing and create an environment for all voices to be "heard." Learn how to make your students' thought processes visible and enhance their academic engagement.*

**2:30 Using Projects as a Summative Assessment**

*Have you even thought about abandoning end-of-unit exams for something less stressful and more engaging for students? Learn how to develop summative projects based on Lab-Aids/SEPUP activities and share project ideas with other teachers.*

**3:45p Round Table**

*Tips for teachers! What's the best idea you want to share? Please bring ideas that you have used in your classroom to implement the program. Ideas could include projects, materials, or classroom management tricks, differentiated instruction ideas, etc.*

**4:45p Final conference evaluation, certificates, and group photo**

**Dinner, on your own**

*Elective Descriptions*

**2 Dimensions, Endless Possibilities**

The Crosscutting Concepts (CCCs) and Science and Engineering Practices (SEPs) are 2 of the 3 Ds in 3-dimensional learning. If your students master these, they will be more successful in any science course in the future regardless of the content. This session will feature open-source tools to enhance your students' understanding of the CCCs and SEPs in your lessons.

**Assessment Round Table**

Looking for more information about assessment within the SEPUP units? We'll take a look at the resources you have in the curriculum and what it can look like in practice. This informal session will be driven by your needs and questions.

**Classroom Management**

Tried and true suggestions for making the SEPUP classroom run smoother and more effectively – all the teacher tips you will ever need!

**Data Sources and Supports**

Looking for additional sources of data to use with your students to further develop their practices of organizing and analyzing data? In this session, we will share a variety of free and open source data sets available to supplement Issues and Science units and some additional tools to support your students with these practices.

**Digital Notebooks**

Some students have accommodations or IEPs that require keyboarding, so how can we help them set up digital science notebooks for maximum sensemaking? Other students simply prefer a digital notebook. In this session, we will explore different digital notebooking options, and how the Lab-Aids resources available in the portal can set your student up for success.



### **Focused Feedback**

Discover the implementation of Standards-Based Grading within the science classroom, offering insightful feedback that truly mirrors students' knowledge and abilities. Experience how formative assessment enriches learning by emphasizing strengths, pinpointing areas for growth, and crucially, paving a path to mastery for all students.

### **Making Local Connections – More Ideas**

Lab-Aids/SEPUP *Issues in Science* is already issues-based. It's in the name! But, how can we leverage the issues in the program to make local connections to specific activities and increase student engagement? Examine examples of authentic local connections, and brainstorm ideas with other educators.

### **Portal How To's**

Come see all the highlights and capabilities of the Lab-Aids new online portal!

### **Vertical Alignment and Progression**

If your school uses *Issues and Science* for grades 6-8, how can you build on what was learned in each grade to make the most of the program? In this session, explore ideas on how to lay foundations for common procedures and tools used in *Issues and Science*, and ways to develop student skills in each grade that are different while brainstorming strategies to bring back to your colleagues next year.

### **What to Grade**

This workshop will provide ideas on how to manage student work, deciding what to grade, and how to provide meaningful feedback.

## *Monday*

7:00 Continental Breakfast, hotel, on your own - *Safe travels back home!*