

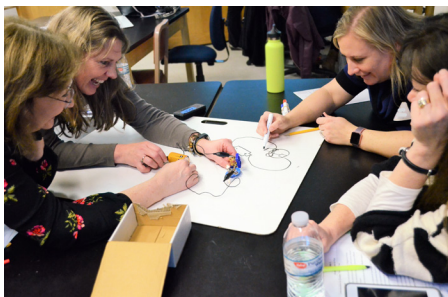
FALL

- October 29, 2019
- November 12, 2019
- December 10, 2019

SPRING

- January 28, 2020
- February 25, 2020
- March 17, 2020

Science in the River City (SIRC) is a **standards-based professional development program for K-12 science teachers** that is designed to deepen teachers' understanding of science and provide innovative ideas, lessons, and strategies for teachers to use in their classrooms. Each evening, choose from a new set of up to 6 different science and grade-level workshops. All workshops are aligned with the Next Generation Science Standards, and include hands-on labs and activities. Instructors are university faculty and experienced Sacramento Area Science Project teacher leaders.



**Sacramento State
Sequoia Hall & the Union**



Register...

- online through our website sasp-science.org/sirc
- by downloading a registration form and sending it in



**\$47 per workshop
\$130 for Fall or Spring Series**

FAQs

What's included in the cost?

Your workshop(s) and materials, dinner, the guest speaker, and your parking pass.

How can I pay with a PO? And where can I find workshop descriptions?

Visit our website for more info.

When is Super SIRC?

May 16 — save the date!

Can I get CEUs?

Yes! For an additional fee, you may earn Continuing Education Units (CEUs) for attending the fall or spring (or both) SIRC series. These units may be purchased on site at SIRC. Each series (3 workshops) is 0.9 CEUs, and costs \$100. Visit our website for more info.

NEW THIS YEAR...

- **New special schedule for the 1st SIRC night of each series (October & January)**
- **Two new 3-part workshop series options (only series registration available):**
 - » **Only available Fall 2019, attend a 3-part Earth Science series instructed by Amy Burke**
 - » **Only available Spring 2020, attend a 3-part Physics series instructed by Scott Richardson**

REGULAR SCHEDULE

4:00 - 4:30pm	Sign-in (in Sequoia Hall)
4:30 - 6:30pm	Science Workshops
6:30 - 7:00pm	Dinner
7:00 - 7:15pm	Science Updates & Networking
7:15 - 8:00pm	Special Guest Speaker

OCTOBER & JANUARY SCHEDULE

4:00 - 4:30pm	Sign-in (in the Union)
4:30 - 5:30pm	Pedagogy Workshops
5:30 - 5:50pm	Dinner
5:50 - 6:00pm	Transfer to Science Workshops
6:00 - 8:00pm	Science Workshops



www.sasp.science.org



@sacramentosasp



(916) 278-4497



(916) 278-5084



OCTOBER 29, 2019

1-hour pedagogy workshops*



NGSS Fundamental
Rich Hedman, SASP



From Performance Expectations to Models
Kelli Quan, Program Specialist, Elk Grove USD



Planetarium Show
Kyle Watters, CSUS Astronomy



Learning from Nature: Structure and Function - Animal Body Parts for Survival



Barbara Woods
1-LS1-1, K-2ETS1-1, K-2ETS1-2



California's Energy Future
Mike Hotell, West Campus HS & Brian Ellis, Vista Del Lago HS
HS-ESS3-2, HS-ESS3-3, HS-PSS3-2, HS-PSS3-3



Slow Down By My School!
Heather Parker, Science TOSA, Yuba City USD
4-PS3-1, 4-PS3-3



Letting students steer the ship... but watch out for those rocks!
Kelly Kissling, El Camino Fundamental HS & Chris Griesemer, SASP/UC Davis



Tectonic Plates (Part 1/3)
Amy Burke, Laguna Creek HS
MS-ESS2-3, HS-ESS2-1, HS-ESS3-1

**For October only: Choose one pedagogy workshop and one science workshop*

NOVEMBER 12, 2019



Tracking Pollinators
Lorie Hammond, Peregrine School
(Kindergarten-2nd Grade)



Adaptation
Ingrid Salim, SASP Teacher Leader
3-LS4-3



Engineering in Life Science
Ben Fell, CSUS Civil Engineering
MS-LS2-5



From Hands-on to 'Fata' in Collisions
Liz Johnson, Cosumnes Oaks High School
HS-PS2-2



Oceanic Crustal Age Patterns & Seafloor Spreading (Part 2/3)
Amy Burke, Laguna Creek HS
MS-ESS2-3, HS-ESS1-5

DECEMBER 10, 2019



Save the Salmon!
Corinne Lardy and Eric Claravall, CSUS College of Education
1-LS1-2, 1-LS3-1, K-2-ETS1-1



Making Sense of Strange Sex
Dillon Brantley, Cosumnes Oaks HS
HS-LS4-2, HS-LS4-4, HS-LS4-5, MS-LS4-4



Using Crustal Rock Ages to Create Models (Part 3/3)
Amy Burke, Laguna Creek HS
MS-ESS2-1; HS-ESS1-5; HS-ESS2-1; HS-ESS2-3



Aquaponics & Interdependent Relationships in Ecosystems
Jenna Porter, CSUS College of Education
5-ESS2-2, 5-ESS3-1, 5-LS2-1



Do You Have Proof of That?
Minh Vu and Katheryn Rein El Camino Fundamental HS
HS-PS1-3



JANUARY 28, 2019

1-hour pedagogy workshops*



Developing and Using Models in NGSS
Rich Hedman, SASP



Adapting and Modifying Investigations for Sensemaking

Kelli Quan, Program Specialist, Elk Grove USD



Crafting Tasks that Elicit Student Thinking

Arthur Beauchamp, SASP



Planetarium Show

Kyle Watters, CSUS Astronomy



Live, Move, or Die: A Salt Marsh Story

Barbara Woods

3-LS3-2, 3-LS4-3, 3-LS4-4, 3-5-

ETS1-1, 3-5-ETS1-2



Hot, Hot, Hot!

Kelli Quan, Program Specialist, Elk Grove USD

K-PS3-1, K-PS3-2, K-2-ETS1-2



Moving Molecules and Sea Level Rise

Corinne Lardy, CSUS College of Education

MS-PS1-4, MS-ESS3-3, MS-ESS3-5



Why is the city called Elk Grove if there are no elk?

Steven Ramsay, Stefan Miele, and Leyna Tran, Laguna Creek HS

HS-LS2-1, HS-LS2-2, HS-LS2-6



Waves and Light (Part 1 of 3)

Scott Richardson, Davis Senior HS

**For January only: Choose one pedagogy workshop and one science workshop*

FEBRUARY 25, 2019



Exploring Properties

Judi Kusnick, Sacramento Area Science Project

PS1.A



Evidence for Climate Change

Kelli Quan, Elk Grove Unified and Arlene Laurison, Sheldon High

HS-ESS2-2, HS-ESS3-5, HS-ESS3-6 (based on understanding of chemistry PEs)



CA Environmental Project Phenomena for Middle School and High School

Lisa Hegdahl, District Curriculum Coach, Galt Elementary School District



Native Gardens & Pioneer Life

Lorie Hammond, Peregrine School (3rd - 5th Grade)



Waves and Light (Part 2 of 3)

Scott Richardson, Davis Senior HS

MARCH 17, 2019



CA Environmental Project Phenomena for the Elementary Classroom

Lisa Hegdahl, District Curriculum Coach, Galt Elementary SDW



Setting the Stage for an NGSS Classroom in 6th Grade through High School

Heather Parker, Yuba City USD; Libbie Coleman, C.K. McClatchy HS; and Jennifer Horton, Western Placer USD



How can we prevent a mudslide from harming people and property?

Deanna Mino and Lori Corona, McCaffrey MS

MS-ESS3-4, MS-PS2-1, MS-PS2-2, MS-PS2-4, PS-PS3-1, MS-PS3-2, MS-ETS1-1-3



What's the Matter?

Sarah Caves and Megan White, Stonegate Elementary

5-PS1-1, 5-PS1-3



Waves and Light (Part 3 of 3)

Scott Richardson, Davis Senior HS