

## Advancing STEM Education K–8 in California

SchoolsMovingUp is excited to host a webinar series in partnership with The Center for the Future of Teaching and Learning (CFTL) at WestEd and California State University.

Building off *Untapped Potential: The Status of Middle School Science Education in California* and *High Hopes, Few Opportunities: The Status of Elementary Science in Education*, two recent reports produced by The Center for the Future of Teaching and Learning at WestEd with funding from the S.D. Bechtel, Jr. Foundation, the webinar series will focus on high-quality approaches for using in- and out-of-school time to expand science teaching and learning in California. It will also examine the California State University models to improve current and new teachers' preparation through recently developed Foundational Level General Level Science credentials and certificates.

### The Status of Elementary and Middle School Science in California

June 6 (10:30 am–12:00 pm PDT)



Holly Jacobson, Director of The Center for the Future of Teaching and Learning at WestEd will share findings from the aforementioned reports and describe the conditions that need to be in place to support high-quality science for all students in the state's elementary and secondary schools.

Register at <http://www.schoolsmovingup.net/webinars/science>

### Preparing California Elementary and Middle School Teachers in Science

June 13 (10:30 am – 12:00 pm PDT)

#### Presenters



Joan Bissell,  
Director, Teacher  
Education and  
Public Schools  
Program California  
State University



Michael Leung,  
Dean of Science,  
California State  
University, East  
Bay (CSUEB)



Danika LeDuc,  
Associate  
Professor of  
Chemistry &  
Biochemistry at  
CSUEB



Jeffery Seitz,  
Professor and  
Chair, Department  
of Earth &  
Environmental  
Sciences at CSUEB

The presenters and reflector Holly Jacobson will focus on a new Foundational Level General Science program led by CSUEB. The program provides the content knowledge and skills needed to teach K–8 science and advance inquiry-based science pedagogy. The webinar will also address CSUEB's NSF-supported Integrated Middle School Science project and exemplary instructional cases. Participants will learn about outstanding no-cost instructional resources available on the web and scholarships to join CSUEB's programs.

Register at <http://www.schoolsmovingup.net/webinars/science2>

### Expanding Science Learning Opportunities during Out-of-School Time

June 20 (10:30 am – 12:00 pm PDT)

#### Presenters



Jeff Davis,  
Program  
Coordinator,  
California  
Afterschool  
Network



Bernadette  
Chi,  
Lawrence  
Hall of  
Science



Traci  
Wierman,  
Lawrence  
Hall of  
Science



Joan Bissell,  
Director, Teacher  
Education and  
Public Schools  
Program California  
State University



Kelly Stuart,  
Director of  
Dissemination,  
Doing What  
Works  
WestEd

Moderated by Kelly Stuart of Doing What Works, and with Holly Jacobson serving again as reflector, the presenters in this session will focus on the demonstrated impact of STEM and OST, including lessons learned from the 217 Jumpstart sites and promising practices. Highlighted in this session will be the potential alignment among regional leads and Math and Science Teacher Initiative Directors in supporting out-of-school programs.

Register at <http://www.schoolsmovingup.net/webinars/science3>

# How does this series support the various educator roles?

## Administrators and Teachers

- Understand the current status of teaching K–8 science and how schools are overcoming challenges
- Understand how the current teaching force can strengthen science instruction through resources and education
- Understand opportunities that exist for staff facing layoffs
- Understand how to leverage and work with out-of-school educators to strengthen STEM education for students
- Access no-cost resources for your schools
- Understand the data that exists on after-school learning in science

## Out-of-School Providers

- Understand how programs can impact the current findings in K–8 science in California
- Understand the support that exists to strengthen your program through relationships with the CSU Math and Science Teacher Initiative
- Understand the data that exists on after-school learning in science
- Access no-cost resources for your program

## Institutions of Higher Education (e.g., MSTI Directors and EdD Directors)

- Understand the current status of teaching K–8 science, how schools are overcoming the challenges, and how this impacts preparation of administrators and teachers
- Connect with educators in your area to help support district and out-of-school time STEM instruction
- Understand the various no-cost resources students in your program can utilize when going out to teach STEM

## Education Policymakers

- Understand policy levers to strengthen science education
- Understand the elements of highly effective science instruction and what policy implications are associated with those elements
- Understand the current status of teaching K–8 science and how schools are overcoming challenges, including after-school opportunities
- Understand how the current teaching force can strengthen science instruction