

LESLEY GATES

EDUCATION

Professional Clear Teaching Credential - June 1998

Single Subject, Life Science CLAD Emphasis

Master of Arts in Education - June 1997

University of California – Santa Cruz

Bachelor of Arts in Marine Biology - June 1995

University of California, Santa Cruz

Phi Beta Kappa Honor

EXPERIENCE

Science Content Specialist, July 2018-current

Fresno County Office of Education

- Provide support through professional learning and coaching for NGSS and science pedagogy focused on TK-8 in Fresno County
- Designed NGSS-aligned curriculum with a focus on literacy and ELD to support teachers prior to the availability of instructional materials
- Support for STEM-integration in the elementary classroom

Science Instructional Coach, July 2016-June 2018

Kings Canyon Unified School District -

- Project Director for NGSS Early Implementation Initiative
- Teacher support for science instruction K-12
- Create and present NGSS Professional Learning for teachers/administrators

Adjunct Faculty Member, Spring 2018

Fresno Pacific University

- Instructor for SCIE 764: Life Science Content and Pedagogy, Spring 2018 as part of the Master of Arts in Education with an Emphasis in STEM for K–8 teachers

Teacher, August 2010 – June 2016

Reedley High School (Kings Canyon Unified School District) Reedley, California

- Biology, Speech and Debate courses
- Science Department Chair
- Forensics Coach

Education Specialist, March 1998 – July 2010

Chaffee Zoological Gardens in Fresno, California

- Developed curriculum and instructed preschool to high school age programs.
- Developed and conducted teacher training workshops and in-service science trainings throughout Fresno County.
- Worked with local school principals and teachers to create new science programs that aligned to their districts' Science Standards.
- Wrote grants and obtained funding for new programs.

PRESENTATIONS/ FACILITATED TRAININGS

NGSS Professional Learning, Fresno and Tulare counties, September 2015-current

Mediterranean Association of International Schools (MAIS) 2018 - current

CA NGSS Roll-Out, presenter for all 6 roll-outs 2014-2019

CA NGSS Roll-Out, elementary science session writer 2018, 2019

“Science Sense-Making in the Elementary Classroom” (MAIS 2020)

“All K-5 Teachers are STEM Teachers!” (CSTA), 2020

“A K-5 Teachers Guide to Sketchnoting” (CSTA), 2020

“Can You Make Giraffes Dance? Connecting Literature to Science” (CSTA), 2020
“Using Thinking Maps to Encourage Speaking/Writing in K-5” (Best Practices), 2020
“Create Sense-Making Notebooks in Your K-5 Classroom” (CSTA/MAIS), 2019
“Developing Students’ CCC lens Using Children’s Literature” (CSTA), 2018
“How to Make Time for Science in a K-5 Classroom” (CSTA), 2017
“Solving Human Problems by Mimicking Nature” (CSTA), 2017, 2018
“Using Simulations to Support SEPs in Middle School” (CSTA), 2017
“Scientific Argumentation - Claim, Evidence, Reasoning (CSTA), 2015
“Nature of Science in NGSS” (NSTA), 2014
“Connecting Literacy and Science with NGSS and Common Core” (NSTA), 2014

**AWARDS/
MEMBERSHIPS/
COMMITTEES**

Nominated for KCUSD Secondary Teacher Employee of the Year – 2014, 2015
Finalist, Educational Leader of the Year (Reedley Chamber of Commerce) – 2015, 2016

CA NGSS Science Community of Practice, September 2016 - current
National Science Teachers Association (NSTA) - 2015 - current
California Science Educators (CASE) - 2010 - current
CSTA e-Communications Committee, 2018 - current
CSTA - NGSS Committee, 2018 - current
NGSS Science Assessment Stakeholder meeting member, 2014
NGSS Framework Focus Group member, 2014

**Publications
(Non-Refereed)**

Gates, L., Nikkel, L., & Eastham, K. (2017), Using Online Simulations to Support the NGSS in Middle School Classrooms, *California Classroom Science*, (29)7.

Gates, L., Huebert, M., & Gair, B. (2018), Beyond Marshmallow Towers - Engineering in the Early Elementary Classroom, *California Classroom Science*, (30)4.