

**CALTEACH**

System-Wide Tech Webinars

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Using Perusall in STEM Teacher Education: *Jumpstarting Discussion and Community*

March 17th, 4pm-5pm

**OPEN TO ALL K-12 TEACHERS, UC
STAFF/FACULTY, CALTEACH STUDENTS
AND PRESERVICE TEACHERS**

Presenters:



Vicky Laina

Vicky Laina is a PhD candidate in Science and Mathematics Education in the University of California, Berkeley and a member of the CoRE research lab (Computational Representations in Education). She studies how students construct, make sense of, and employ relationships between various mathematical ideas. Her work also examines ways in which educators can support dynamic explorations of such relationships with the use of technology and other innovative activities.



Libby Gerard

Libby Gerard, EdD, is a Research Scientist and Lecturer in the University of California, Berkeley Graduate School of Education. Her research examines how innovative learning technologies can capture student ideas and help teachers and principals use those ideas to make decisions about classroom instruction. Libby's recent projects explore the use of automated scoring of student written essays using natural language processing to provide immediate guidance to students as they progress through an inquiry project, and, to support teachers' customization of instruction both in real-time and between lessons. Libby designs and leads teacher and principal professional development by using student embedded assessment data and the knowledge integration framework to inform instructional customization and resource allocation. Libby's research is published in leading peer-reviewed journals including Science and the Review of Educational Research.

Imagine a space where each person in a class shares their perspective on powerful media about STEM education and listens to the ideas of others. We will describe how we are using Perusall in two classes serving CalTeach STEM students to promote analysis of the text, engagement with one another's perspective, and identification of themes from the text that are important to the students for discussion in class. This talk will feature concrete examples, and questions to discuss with the audience about ways to advance the use of joint reading for STEM education learning.

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