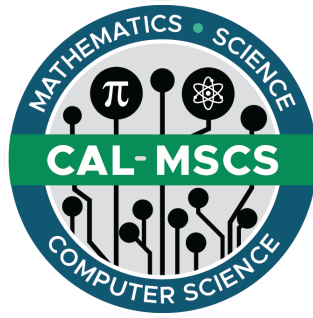




Designing for Impact: Immersion Experiences in Science, Math, and Computer Science Collaboration

November 7, 2024 | 1:20 - 2:40 pm

Facilitated by: Chelsea Cochrane (chelsea.cochrane@sdcoe.net), Lesley Gates (lgates@fcoe.org), Sarah Whiting (swhiting@tenstrnds.org), Vanessa Lujan (vlujan@berkeley.edu)

Join us to dive into the landscape of California science, math, and computer science professional learning, where educators, leaders, and content experts across the disciplines are prototyping new structures through immersive design experiences. From San Diego to Fresno, learn from our journey of refining a professional learning structure through iterative immersion sessions across the state. Learn how these experiences are driving collaboration across K-12 systems and shaping the future of impactful educator learning. Come explore and inform how to build the next generation of professional learning statewide!

Session Access

Item	Shortened URL	QR Code
► Home Base Doc	bit.ly/CALMSCS_SCOP_CrossContentHB	
► Slides	bit.ly/CALMSCS_SCOP_CrossContentP	
► Feedback Survey	bit.ly/CALMSCS_SCOP_CrossContentSurvey	

Session Resources

- ▶ [A Framework to Embed Systems Thinking into Design Thinking Process | by Ketut Sulistyawati | Somia CX Thoughts | Medium](#) (article)
- ▶ [FRESNO CAL-MSCS Design Team Instructional Resource: Elementary](#) (doc)
- ▶ [CAL-MSCS Design Team Resource: Secondary Science - San Diego](#) (doc)

- ▶ Cross Content Design Team PL Resources & Handouts
 - [Causal Explanation - Expected Student Response Template](#) (doc)
 - [CAL-MSCS Design Team Resource: Elementary Template](#) (doc)
 - [CAL-MSCS Design Team Resource: Secondary Math Template](#) (doc)
 - [Environmental Literacy - San Diego County Office of Education](#) (website)
 - [MSCS Framework Quotes](#) (doc)

- ▶ Additional Resources
 - [CREEC Network - Phenomena Summits](#) (video)
 - [Environmental Literacy Resources - San Diego County Office of Education](#) (website)
 - [Resource Center for Environmental and Climate Action Changemakers in TK-12 Schools](#) (website)
 - [Seeds to Solutions Climate Change and Environmental Justice Curriculum](#) (coming soon)
 - [SDCOE Science Resource Center](#) (website)
 - [Models for Integrating Computational Thinking in Science](#) (website)
 - [The Computational Thinking for Science Framework](#) (website)

Session Learning Intentions

Together we will:

- ▶ Build a shared understanding of the importance of Mathematics, Science, and Computer Science (MSCS) integration and the critical role of collaboration in effectively engaging with and implementing this integration.
- ▶ Explore how the specific professional learning model can support the implementation of MSCS integration across the state.
- ▶ Reflect on how MSCS integration relates to our own educational contexts, considering ways to adapt and apply the strategies discussed to fit local needs.
- ▶ Contribute our perspectives and expertise to help further refine the model for MSCS integration, identifying key components of the model.

Notes/Reflection