



UNDERSTANDING GLOBAL CHANGE

TOOLS FOR MAKING SENSE OF THE EARTH SYSTEM FOR K-12 EDUCATORS

Understanding the Earth as a system can help learners of all ages explain how and why our climate and ecosystems are changing and the many ways we can take action in response to these changes. Join us for an interactive virtual workshop about a local phenomenon where participants will be immersed in a data-driven sequence of learning that includes modeling practices using the Understanding Global Change (UGC) Earth System Modeling Tools. Participants will also learn how the UGC Framework can support the planning of interdisciplinary instruction to interweave global change topics across curricula.

This workshop will be offered as three separate sessions adapted for elementary, middle, and high school educators.

VIRTUAL SESSION DATES

GRADES K-5:

Wednesday, January 15

GRADES 6-8:

Wednesday, February 12

GRADES 9-12:

Wednesday, March 19

4:00 PM - 5:30 PM

Jessica Bean, PhD, is a scientist and educator at the Museum of Paleontology at UC Berkeley. She is the leader of the Understanding Global Change Project and the Director of Outreach and Science for the FieldScope community science platform. She designs tools for learning about the Earth as a dynamic, interconnected system that help learners understand and engage in the process of science. Jessica studies how marine invertebrates respond to and provide records of environmental change along the California coast, has taught college and graduate level biology and Earth science courses, and partners with K-12 educators across the country to develop and implement new resources for learning about the nature of science.

FREE FOR CASE MEMBERS

\$15 FOR NONMEMBERS

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