

Let's Talk about Teaching Environmental Science!



free professional development workshops for K-12 teachers and environmental educators

Join us for a series of short workshops presenting online resources for teaching concepts in the earth & environmental sciences, portrayed through the lens of the critical zone. The critical zone is the earth's outer skin from treetop to bedrock – a constantly changing place where rock, soil, water, air, and living organisms interact. The featured free educational materials have been developed with teaching and learning in mind and are aligned with national education standards. Each session will include presentations, content demonstrations, and networking among participants. Completion certificates are available upon request.



June 30th @ 2:00-3:30 pm eastern

Big Ideas: Earth's Spheres Interact in the Critical Zone: Examples of interactions among the hydrosphere, biosphere, atmosphere, & geosphere, with outcomes for humans and nature. Activities focus on integrating expertise in considering climate change.

Register here: <https://bit.ly/CZbigideas>

July 14th @ 2:00-3:30 pm eastern

Carbon in the Critical Zone: Hands-on activities for students to monitor the movement of carbon in the environment and understand the impacts of carbon sequestration.

Register here: <https://bit.ly/CZcarbon>

August 4th @ 2:00-3:30 pm eastern

Water in the Critical Zone: Hands-on activities for students to monitor water movement in the environment and examine the effects of human modifications to watersheds.

Register here: <https://bit.ly/CZwater>

August 11th @ 2:00-3:30 pm eastern

Climate Change in the Critical Zone: Hands-on activities for students to measure the impacts of climate change in local communities and emphasize mitigation strategies.

Register here: <https://bit.ly/CZclimate>

Education staff from the Paleontological Research Institution and its Museum of the Earth (<http://www.priweb.org>) have developed these teaching materials and will lead the workshops. This series is sponsored by the Critical Zone Collaborative Network (<https://criticalzone.org/>), with support from the U.S. National Science Foundation. For more information, contact Alexandra Moore (Paleontological Research Institution, moore@priweb.org) or Elizabeth Boyer (Critical Zone Collaborative Network, ewb100@psu.edu).