



Watershed Institute for Teachers **Science & Stewardship** **In South Coast Watersheds**

Facilitated by CSUN's Aquatic Center & Project Wet,
Materials: Beetles Project, NOAA, and Project Wet

Three Saturdays: 02/02, 03/02, and 04/06

Join a Committed Cohort of Teacher-Leaders as we Explore South Coast watersheds via Remote Sensing, Field Experiences, and a Watershed Tour of the Santa Clara River Watershed. Our Journey begins High in the Chaparral of the Transverse Ranges and by Journey's End We Will Have our Feet in the Santa Barbara Channel as We Perform Environmental Stewardship Action and Enjoy a Barbecue. Due to generous support from Project Wet, CSUN's Aquatic Center and NOAA, the Cost for this NGSS Aligned Experience is just \$90.00/Participant.

Participants Enjoy:

- **Access to Environmental Monitoring Tools for Use in Their Classroom:** GPS Units, ROV Kits, Water Quality Monitoring Kits, and Much More...
- Receiving **Award Winning Learning & Formative Assessment Resources from Project Wet and NOAA** (Focused on CAST and Student's Acquisition of 21st Century STEM Success Skills)
- Practicing Grade Level Appropriate High Impact **Three Dimensional Instructional Strategies for both Indoor and Outdoor Learning** (As Endorsed by California's Science Framework)
- **Ongoing Support via Webinars (Topics: CER/Modeling/Data in the Classroom)** for Implementing Environmental Stewardship Projects in Southern California
- A "Serious Fun" Approach to Professional Learning: **Hiking, Kayaking, and the Professional Camaraderie** that comes with Teaching to Change the World.

Use the Eventbrite link below to reserve your spot or contact Kurt Holland at kurt.holland@gmail.com if you have questions.

<https://www.eventbrite.com/e/watershed-institute-for-teachers-tickets-53074452115>

Registration will close Friday, January 23, 2019!

Detailed Agenda for WIT (Subject to Minor Changes)

Day One (02/02): “When Good Fish Make Bad Choices”

Guiding Question of the Day: Steelhead & Stewardship in South Coast Watersheds: How can we protect steelhead and their ecosystems on the South-Central Coast?

- + Building Environmental Literacy Pathways for Students with Project Wet, CSUN, & NOAA
- + Get Outside for NGSS Learning, Assessment & Student Engagement
- + Thinking and Modeling with Natural Systems for NGSS

Evening Webinar (02/06) Argue your Way to Student Success Skills...

- + Translating the Principles of Ocean/Climate Literacy and California’s EP&Cs into 3 Dimensional NGSS Instructional Sequences
- + Claims, Evidence and Reasoning: Demo of a Pragmatic Approach
- + Accessing and Deploying Existing High Quality NGSS Resources

Day Two (03/02): Natural Systems Tour (Phenomena) of a South Coast Watershed

Guiding Question: How can teachers weave indoor and outdoor learning into powerful instructional sequences that culminate in stewardship action?

- + Crafting Habitat Stewardship Experiences for Students in SC Watershed
- + Outdoor Learning Routines (Beetles) & Leadership of Environmental Learning Pathways
- + Partnering for Stewardship Action on the South Coast (Ventura/LA and Beyond)

Evening Webinar (3/06): Looking at Models, Natural Ones...

- + High Stakes Assessment for NGSS: Merging Assessment Routines into Instruction
- + Why Adopt a Systems Thinking Perspective for Environmental Learning Pathways?
- + Demo of an Effective Modeling Sequence (National Parks Activity)
- + Accessing and Deploying Existing High-Quality Resources for Free: NOAA & Sea Grant

Day Three (04/06): Natural Systems & Stewardship at the Beach in a Changing Climate

Guiding Question of the Day: How can we protect and enhance beach habitats in a changing climate while offering powerful academic learning to our students?

- + Designing Community Based Stewardship Experiences for Beaches...
- + Beach Monitoring Protocols: Limpets, CCV, Armoring Protocol, and Data in the Classroom
- + Beach Barbecue (BYOB) & Closing Circle

Evening Webinar (4/10): Sharing Proposed Environmental Literacy Pathways for Student Success

- + Sharing...
- + Partnering for Sustained Success
- + I Will, I Need...