

Central Coast UCCS Partner is Customizing Program for Network Development, Evaluation & Youth

- Kathi King, Community Environmental Council

Our UC Climate Stewards program has become a vital part of our organization's storytelling via story and video collection. We are:

- staying connected with alumni and developing an alumni network
- following up on their Capstone projects to share their success and providing opportunities for them to stay connected.
- customizing the program for high school students.
- developing a pre-course evaluation survey to track growth

Spreading the Bird Word: KayBeeBooks.com

- Kritika Bala, Cal. Nat, American River Conservancy

My Capstone project extended into a larger effort of writing and illustrating children's books about birds, with a view to engaging their curiosity and interest in these amazing feathered beings and hopefully onwards into their habitat and lives and how it all connects. These books are online only (so far, physical books later this year), and include teaching/exploration content with each story: www.kaybeebooks.com.

Title TBA - Claire Elliott. *Grassroots Ecology*

Master Naturalist Escape Room

- Katherine Gividen, Louisiana Master Naturalist Association (LMNA), Louisiana Master Naturalists of Greater Baton Rouge (LMNGBR)

Our first workshop in the fall is an overnight workshop. Actually two workshops - Arthropod and Nocturnal Naturalist. We encourage participants to come in the evening before. We have them participate in a nature themed escape room. A biosphere has been hermetically sealed with only the brightest naturalist minds contained within. The oxygen system is failing, and they have an hour before their oxygen runs out to escape the habitat. There are four sphere's; the Lepidoptera and Firefly Sphere, the Louisiana Wildflower Sphere, the Louisiana Native Tree Sphere, and Bird Sphere. Within each room are puzzles that need to be solved in order to move on to the next room, and eventually out the front door to safety. The activity, plus the overnight nature of the workshop, bonds participants from the get go as they get to know each other in a more intimate setting.

Using Trail Cameras to connect visitors to your parks.

- Jason Fareira, Department of Fish & Wildlife

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Protecting a Biodiverse Hotspot

-Reema Hammad, Tejon Ranch Conservancy

How we are helping to protect and conserve one of California's biodiverse hotspots. As the Public Access Coordinator for the Conservancy, I will outline different ways to visit Tejon Ranch.

Children's Activities to Help Understand Wildlife Adaptions

- Diane Lang, Eaton Canyon Nature Center, LA County

Games on Animal Senses:

1. How snakes know of our presence through vibrations.

2. Raccoon sense of touch
3. Bat hearing: Bat is in middle.
- 4) Jays hide acorns...remember where they're hidden?

Cal-Adapt: What Will Your Community Look Like Under Climate Change?

- *Andy Lyons, UC ANR*

Curious what your community or favorite nature area might look like in the coming decades? Cal-Adapt is California's official source for projected climate futures, and the Local Climate Change Snapshot tool shows what the climate models predict under different emissions scenarios. Stop by to see how annual average temperatures, extreme heat days, annual precipitation, and dry spells are predicted to change in your area under different greenhouse gas emissions scenarios. This is not a crystal ball, but will help you think about general trends and what we can do now to prepare for the coming changes.

Nature from the Air: How Drones are Giving Researchers and Naturalists a New Perspective on our Natural World

- *Sean Hogan, UC ANR*

Drones have expanded how we see the natural world in more ways than one. Seeing the world from above is by itself a remarkable perspective, revealing patterns and beauty that until recently were only known to our feathered friends. But modern drones also give us the ability to see things with more detail and greater clarity than any other kind of aerial imagery. The fine resolution of modern drone cameras additionally allows software to 'stitch' hundreds of images together to build 3D models that you can virtually fly thru. Scientific cameras on modern drones can 'see' the parts of the spectrum that our eyes can not, revealing subtle differences in the health of vegetation and in some cases species composition. Finally, the ability to repeat flights as often as needed helps us see phenology and changes over time, revealing more clues about the relationship between form and function. Stop by to see the equipment, flight apps, and data processing software that make all this magic happen.

Bats! Auditory Monitoring

- *Lisa Murphy, Columbia College*

Learn about our local bats and their importance in our ecosystem. Get a glimpse of the "Sonobat Live" equipment and its capabilities of identifying bats. Hear about interactive ways students &/or docents can interact with the equipment & the data collected.

Wildland Fire Assessment Program (WFAP) Introduction

- *Rachel Ostrander, California Climate Action Corps*

Introduction to WFAP and discuss home hardening and defensible space topics that were a part of my fellowship with the California Fire Safe Council

Groundwater 101

- *Samuel Sandoval Solis, UC ANR, UC Davis*

This is an experiential activity where participants can see how water moves in the ground, water taken from aquifers, and how rivers and aquifers are connected.

Field experiments at Hopland Research and Extension Center

- *Phoebe Parker-Shames, UC Berkeley ESPM*

Interested in learning about or volunteering with ongoing research at a UC Reserve? Come by to hear a description of our project examining insect, bird, bat, herp, small mammal, and large mammal responses to light and sound disturbance trials at Hopland Research and Extension Center and Angelo Coast Range Reserve.

Climate Change Communication Strategies within UC Climate Stewards

- *Summer Swallow, Pepperwood Preserve*

Talking about climate change is an essential ingredient to climate change solutions. With appropriate communication strategies it can become easier to have these conversations with diverse audiences. Learning and

practicing these strategies is like learning a new language...participants reported having surprisingly meaningful conversations about climate change.

Books for Ecological Stewardship in California

- *Marthine Satris, Heyday Books*