

UC ANR Science Literacy Program Team

October 7-9, 2019 | UCCE Sonoma, 133 Aviation Blvd, Ste 109, Santa Rosa

Monday, October 7 - Workgroups

8:30am - 12:00pm: Science Education & Extension (SEE) Workgroup

Large Conference Room

Chair: Steven Worker

SEEs purpose is to extend science education theory and practice to help prepare California youth and adults to lead scientifically literate lives. The workgroup focuses on advancing applied research, evaluation, and extension around out-of-school time science education, and complements ANR programmatic efforts. Find out more at <https://ucanr.edu/sites/STEM/>. At this meeting, we will be developing our plan of work for 2019-2020. [Meeting not suitable for casual visitors. Those interested in membership should contact the chair.]

12:00pm - 1:00pm: Lunch for SEE workgroup participants

1:00pm - 5:00pm: Developing Volunteer Capacities (DVC) Workgroup

Large Conference Room

Chairs: Charles Go & Car Mun Kok

DVC focuses on building volunteer capacity to increase and improve volunteer engagement. We welcome anyone who works, either directly or indirectly, with volunteers in their programs and scope of work. We are seeking active members to work on existing as well as new projects. During this meeting, we will discuss about existing workgroup projects (e.g., get updates, work plan, task allocation, and maybe some working time) as well as brainstorm on other ideas that we have, especially to engage more members from various volunteer-based programs. [Open to newcomers and new ideas!]

1:00 - 5:00pm: Environmental Education (EE) Workgroup

Medium Conference Room

Meeting Chair: Maggie Gunn

5:00pm: Adjourn; dinner on your own

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Tuesday, October 8 – Science Literacy Program Team

8:00am – 9:00am: Light Continental Breakfast

9:00am – 4:00pm: Science Literacy Program Team

Large Conference Room

Chairs: Martin Smith & Steven Worker

Program teams provide UC staff and academics, as well as other collaborators, an opportunity to network, share, and learn. The science literacy program team supports work to develop new and strengthen existing educational efforts to advance scientific literacy among youth and adults. Within UC ANR, scientific literacy is defined from the citizen's perspective, an approach that focuses on real-world issues and is defined around four anchor points: science content knowledge; scientific reasoning skills; interest in and attitudes toward science; and contributions through applied participation ([Smith, Worker, Ambrose, & Schmitt-McQuitty, 2015](#)). Read more in the [Healthy Families and Communities Strategic Plan 2016](#) (pp. 14-20).

9:00am – 12:00pm: Curriculum Development 101 Basics (Professional Development)

Effective curricula are a cornerstone of successful programming in Extension. The development of curricula requires a systematic process that takes into account numerous factors. [Smith et al. \(2017\)](#) provided an operational definition of curriculum by describing the parts of a curriculum, discussing the organization of those elements, and recommending theoretical frameworks that complement a learn-by-doing approach. In this session, Martin Smith, Steven Worker, and Lynn Schmitt-McQuitty will provide an introduction to a theory-informed seven step curriculum development model published in *Journal of Extension*.

12:00pm – 1:00pm: Lunch

1:00 – 1:30pm: Expanding and Sustaining Lesson Study in California 4-H.

1:30 – 2:00pm: Refocusing STEM education to achieving impact (and contributing to ANR's public values and condition changes).

2:00pm – 2:30pm: Building a case for support for STEM funding (Program Development)

Join an effort to seek funding regionally and statewide to strengthen youth scientific literacy that contributes to increasing workforce competency and increasing civic engagement. Specifically, we are developing an effort to systematically strengthen educator pedagogical practices and program quality in four priority content areas (animal science, computer science, environmental science, and nutrition science and gardening).

2:30pm – 2:45pm: Break & Setup Exhibits

2:45pm – 4:00pm: Showcase of STEM Programs and Curricula (Sharing & Networking)

Attendees are invited to share their STEM education efforts through an informal "gallery walk" format. Attendees may bring posters, curricula, or whatever will best showcase a local program or activity.

4:00pm: Adjourn

6:00pm: Dinner Out, Location TBA | Topic: CES Funding Issue

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Wednesday, October 9 - Workgroup

9:00am - 5:00pm: Diversity in Youth Development (DYD) Workgroup

Large Conference Room

Chairs: Russell Hill & Dorina Espinoza

DVD is focused on (a) intentional efforts to expand the reach of 4-H to under-represented audiences through innovative programming in collaboration with the under-presented community; (b) developing statewide programs, policies, and practices that encourage under-represented youth and families' participation in 4-H; (c) serving as a local, state, and national clearinghouse of information and resources for working with diverse youth, families and communities; and (d) establishing resources to ensure access to, equity within, participation in California 4-H. [We are interested in active members joining a sub-committee to work on short, medium, and long term components of each of the established goals.]

12:00pm - 1:00pm: Lunch for Diversity in Youth Development workgroup participants

5:00pm: Adjourn

