

4-H Science, Technology, Engineering, and Mathematics (STEM) Education Advisory Committee

Contact Information

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Purpose

The 4-H STEM Education Advisory Committee is comprised of a diverse group of members that builds upon an established research base to guide the 4-H STEM Initiative including the development and implementation of 4-H STEM programming, identification and provision of resources for county-based STEM education and professional development, and building organizational commitment and capacity for improving youth scientific literacy.

Goals

- Identify, adapt, and support 4-H STEM programming, grounded in youth development and educational practices that uses high-quality curricula, based on identified needs
- Support professional and volunteer development efforts that promote effective science pedagogy including experiential and inquiry-based learning through ongoing professional development series that are learner-centered (e.g., communities of practice), grounded in best practices
- Explore critical needs for STEM curricula, support efforts to identify high-quality STEM curricula and distribute materials to local 4-H programs, target efforts within the definition of scientific literacy and curriculum development best practices
- Support 4-H STEM marketing, communication, and outreach activities
- Contribute to resource development for the 4-H STEM Initiative
- Explore partnerships with STEM organizations to strengthen the 4-H STEM Initiative
 - Work is grounded in the 4-H STEM Checklist, and the theoretical and empirical efforts listed at: <http://4h.ucanr.edu/projects/stem/initiative/>

Committee Member Responsibilities

- Gather input on agenda items before meetings
- Attend scheduled meetings
- Express ideas and input of constituents and stakeholders
- Complete action items assigned at meetings
- Assist in the development and delivery of group goals

Committee Membership

The California 4-H STEM Education Advisory Committee has 9-14 participants:

- 2-3 Youth
- 2-3 4-H Adult Volunteers, Recent 4-H Alumni, and Program Partners
- 2-4 County 4-H Youth Development Program Staff and Advisors
- 4-H STEM Education Coordinator
- Cooperative Extension Specialist for Youth Scientific Literacy
- ANR Development Services

Meetings

Three regular full-day meetings per year, held at the State 4-H Office in Davis, CA, scheduled based on member availability. Additional conference calls may be scheduled. Subcommittee work may require attending additional meetings. All travel and related costs will be reimbursed by the State 4-H Office in accordance with University policies.