The California Master Beekeeping Program is a continuous train the trainer effort. Participants have the opportunity to receive an outstanding apiculture education and are current on the latest research findings which are constantly evolving. CAMBP participants help to increase UC ANR’s extension reach in communities throughout the state.

Objectives:

- To create and establish a comprehensive, science-based, and state-wide apiculture curriculum to help minimize potentially disastrous consequences, such as increased pest and pathogen transfer or spread of Africanized bees which are considered a public-health risk, due to lack of understanding of proper honey bee husbandry.
- To develop a continuous train-the-trainer education effort for California beekeepers (small scale and backyard beekeepers), and support and foster honey bee health to ensure the pollination of specialty crops and food security through education and outreach efforts at the local community level.
- To expand the California Master Beekeeper Program curriculum for the intermediate and advanced levels, create partnerships with advisers in UCCE offices throughout the state (we currently have collaborators in Fresno, Irvine and San Diego), create comprehensive web-based resources such as a library of on-line materials including an on-line classroom, and support the expansion of our educational apiary.

Deliverables:

- The California Master Beekeeper Program provides California-centric, contemporary, research-based training in apiculture to backyard and small-scale beekeepers.
  - Train the trainer: Since 2016 the program has trained 206 Apprentice and Journey level members who have performed Beneficial Education Experiences (BEEs) in excess of 24,510 service hours in science-based education and outreach in beekeeping and environmental stewardship serving 98,618 individuals worth $623,289.30 to the state ($25.43/hr is value placed on volunteers in the county of San Diego)
  - CAMBP Pollinator Education Program (PEP): A grade 3-4 curriculum offered at no cost in collaboration with Farms of Amador, Amador County Master Gardeners, Haagen Daz Honey Bee Haven.
    - April 18: Jackson Elementary. 62 grade 3 students, 3 teachers, 2 aids, 3 parents and 2 Master Gardener volunteers from Amador County.
• April 25: Ione Elementary. 72 grade 3 students, 3 teachers, 7 parents, 3 Master Gardeners and 3 volunteers from Farms of Amador.
  
  o Outreach at county, state and federal beekeeping meetings and conventions.
    • Marketed CAMBP program to various clubs (Delta, Grass Valley, SABA, CVBA)
    • AHPA and the ARBC at the federal meetings in January ’19 in Arizona.
    • Bird and Bug Bonanza booth hosted over 2000 visitors.
    • Pesticide Applicators Professional Assoc. booth on 3/13/19 - 250 attendees
    • Ag in the Capitol! Day 3/20/19 booth attracted over 1000 people.
    • Honey Festival Woodland, May 2019 20,000 attendees! Booth, bee demo and 12 volunteers to assist with equipment demonstrations and answer questions. Bug Squad write up
    • 10 year celebration of the Haagan Daz Honey Bee Haven 05/19– Getting started with beekeeping talk and PEP outreach on behalf of the CAMBP
    • CSBA in Temecula, in Nov. ’19 (112 individuals visited our class - over 350 attendees at the convention) the CAMBP offered “A Day in the CAMBP” outreach experience of our Pest and Disease ID class, a hands-on scientific-based assessment of colony health.
  
  o San Diego CAMB Program – Pilot Apprentice level CAMBP in association with UCCE San Diego and the County of San Diego successfully completed June 9, 2019. 26 new apprentices accountable for 25 volunteer hours, worth $25.43/hour to SD county for a value of $16,523.50 if all 26 do the hours. Awaiting funding to continue program. San Diego apprentices will complete 25 hours of volunteer service working in partnership with the San Diego County Apiary Inspectors and the Honey Bee Protection Program to develop outreach and education materials, social media monitoring and booting events.
  
  o CAMBP Apprentice Level 2019 graduated 57 individuals.
  o CAMBP Journey Level 2019 graduated 22 individuals.
  o CAMBP Master Level tracks refined with first matriculation to occur in October of 2020: Commercial beekeeping, Scientific research, Native bees and Pollinator Gardens and Education, Outreach and Policy. 4 Journey level CAMBPrs enrolled in ’19 and are on track to certify in ’20-’21.
  
  o Webinars – 5 live webinars for our Apprentice and Journey level members in partnership with beekeeping experts across the country.
  
  o Field Day: Pest and Diseases in the Hive free field day for CAMBP members who certified in ’19 held in October.
  
  o CAMBP website – updates and additions
Guidelines for Apprentice, Journey and Master developed and implemented
- CAMBP member blog
- CAMBP membership committee
- Planting a Bee Garden and Bee Watching for Beginners – Ongoing collaboration with Christine Casey, PhD at the Hagan Daaz Honey Bee Haven – classes taught in April 2019 as a pre-requisite for the CAMBP Journey level.
- Developed additional pre-requisite course for CAMBP Journey level – Wax Working, Honey and Hive Products and offered to the CAMBP members and the public Dec 7, 2019
- Social media metrics: Mailchimp “CAMBP Connection” 5 Newsletters in 2019. The list for CAMBP members is 191 with an average 62.5% engagement, Friends of the CAMBP list is 872 WITH 60.8% engagement. Facebook Private group 128 members strong

Outcomes:

- 2 Advisory Board meetings held (June and December) Presentation
- Developed a specific outreach program to engage future members called “A Day in the CAMBP” which is sharable with CAMBPers across the state to deliver to their local club to educate members on pests and disease ID.
- 2019 updated guidelines for Apprentice and Journey, and Master level
- Classes in 2019 positively impacted communities through better beekeeping husbandry and volunteer community outreach from our members.
- Journey Level Study Guide created
- Apprentice and Journey Level “written” exams transition to online
- Rubrics for practical field exams for Apprentice and Journey redefined
- Obtained needs analysis to digitize 2 basic classes and the Apprentice and Journey Level Study Guides
- Collaboration with the County of San Diego - 5 of the 26 SD apprentices in ’19 passed rigorous background checks and can now assist in offering volunteer apiary inspector service alongside paid staff at the Honey Bee Protection Program

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