Youth were asked to respond to the following questions:

What are all of the ways you do science?

List three words that come to mind when you think of a scientist.

Youth developing skills by using scientific tools for gardening.

Youth participating in the evaluation:
In 2012, 108 youth participated:
- 42% male, 58% female
- 43% Latino, 9% white, 6% Asian, 8% black, 22% more than one race.
In 2013, 89 youth participated:
- 47% male, 53% female
- 43% Latino, 8% white, 3% Asian, 6% black, 38% more than one race.

Youth developed:
• Positive attitudes towards science
  - In 2012: 66% agreed that they like to figure out how things work;
  - In 2013: 81% agreed that they get excited about new discoveries
• An understanding and appreciation for the environment
  - In 2012: 79% enjoyed nature and 61% agreed that they can make a difference in the world;
  - In 2013: 92% cared about the Earth’s environment
• Positive relationships and sense of belonging in the program
  - In 2012: 84% agreed they have adults in their life who care about them;
  - In 2013: 87% agreed that they were treated with respect by the teens.

Youth also gained skills by using scientific tools for gardening.

San Diego, Borrego Springs
Sue Manglallan, 4-H Youth Development Advisor
Teens engaged 5th grade youth in after-school gardening. Parent nights were held where youth displayed their new knowledge; for example, youth presented a worm composting demonstration at the school open house.

Sacramento, Southeast
Marianne Bird, 4-H Youth Development Advisor
Teens presented the Youth Experiences in Science curriculum to K-3rd grade youth, staff facilitated Junior Master Gardener and the 4-H Water Wizards program, and youth participated in an environmental education camp, “On the Wild Side”.

Yolo, Winters
Joyce Gustin, John Muir Institute of the Environment, UC Davis
UC Davis students and local teens led environmental and gardening educational activities to K-3rd grade youth in the “Nature Club”, “Science Wednesdays”, and “Teen Club.”