



California AfterSchool Network

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## Submission #3162

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Submission information

Form: [Call for Presenters on Quality Standards in Action](#) <sup>[3]</sup>

Submitted by Visitor

Thursday, October 23, 2014 - 8:37am

68.121.51.158

**Name (first and last):**

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**Organization :**

Sutter-Yuba Counties 4-H Youth Development Program

**I am interested and available to present in the following regions: (mark all that apply) :**

Region 3- January 26, 2015 (Colusa, Placer, Sacramento, Yolo Counties, etc.)

**I have the expertise and knowledge to present on the following Quality Standards: :**

- Active and Engaged Learning
- Skill Building
- Youth Voice and Leadership
- Collaborative Partnerships

Active and Engaged Learning

**Please provide a short description of your workshop around this quality standard:**

The Sutter-Yuba Counties 4-H YDP collaborates with the Yuba City Unified School District's Afterschool Programs to deliver the Junk Drawer Robotics Curriculum in the Fall and the Youth Experiences in Science program in the Spring.

Junk Drawer Robotics engages middle school youth in engineering design through the use of common household items. The curriculum was developed to focus on scientific and engineering practices; frame activities in the experiential learning cycle; and promote small group collaborative learning.

The 4-H YES curriculum is designed to foster inquiry and engage children ages 5 to 8 in the process of exploration. Young children are introduced to the formal scientific process by performing a variety of scientific tasks including observing, organizing, comparing, and communicating.

**Please indicate the audience this workshop is intended for (mark all that apply and specify in description if "other"):**

- Site Staff- Elementary
- Site Staff- Middle School
- Site Staff- High School
- Administrators (e.g.- Program Directors, Principals, etc.)

### Skill Building

**Please provide a short description of your workshop around this quality standard:**

The design of the 4-H Junk Drawer Robotics and Youth Experiences in Science curricula enable youth to build life skills like critical thinking skills through hands-on, inquiry based learning. Youth often work in groups to complete tasks and each unit includes a reflection piece that requires youth to communicate their observations, predictions, etc- this build teamwork, problem solving, and communication skills in the students.

**Please indicate the audience this workshop is intended for (mark all that apply and specify in description if "other"):**

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- Site Staff- Middle School
- Site Staff- High School
- Administrators (e.g.- Program Directors, Principals, etc.)

### Youth Voice and Leadership

**Please provide a short description of your workshop around this quality standard:**

Both the 4-H Junk Drawer Robotics and Youth Experiences in Science programs utilize a cross-age teaching model engages teenage volunteers as teachers. Teen volunteers are recruited from area high schools to serve as Teen Teachers in the program. We have received the highest turnout from students involved in the AVID program.

The teens participate in a 8 hour training that covers: ages and stages of youth, the scientific process, their role and expectations, and provides them with an opportunity to become familiar with the curriculum through a practice lesson. Teens work in teams of 3-5 to deliver the program at an afterschool site that is close to their home or high school.

From there, they commit to delivering one science lesson each week for 12 weeks. A science lesson is one hour long and takes place on a day and time that is worked out by the team and the afterschool site.

Having teens as teachers gives the high school students a great opportunity to build leadership skills and to be mentors to younger students in their communities.

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**specify in description if "other"):**

- Site Staff- Elementary
- Site Staff- Middle School
- Site Staff- High School
- Administrators (e.g.- Program Directors, Principals, etc.)

Collaborative Partnerships**Please provide a short description of your workshop around this quality standard:**

The 4-H Junk Drawer Robotics and Youth Experiences in Science programs are a partnership between the Sutter-Yuba Counties 4-H Youth Development Program and the Yuba City Unified School District Afterschool program. A workshop could be developed around how to cultivate relationships between the 4-H program, afterschool providers, and local high schools.

**Please indicate the audience this workshop is intended for (mark all that apply and specify in description if "other"):**

Administrators (e.g.- Program Directors, Principals, etc.)

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