

V(A). Planned Program (Summary)

Program # 1

1. Name of the Planned Program

4-H Youth Development

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
806	Youth Development	100%		0%	
	Total	100%		0%	

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	49.0	0.0	0.0	0.0
Actual Paid	64.2	0.0	0.0	0.0
Actual Volunteer	48.4	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
881506	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
881506	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2263105	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Support traditional club programs by recruiting and establishing new clubs;
- Conduct after school and school enrichment programs that provide curriculum in Science, Technology, Engineering and Math (STEM), leadership, citizenship and life skills development;
- Develop new curriculum in response to new audience needs;
- Strengthen the volunteer management system needed to implement the 4-H Youth Development program by: conducting agent trainings to develop volunteer management skills; developing tools to support volunteer management system; delivering volunteer leader training; developing new funding support through individual and group solicitation, grant applications and fee-for-service programs.

2. Brief description of the target audience

- For 4-H Youth Development programming - all Colorado youth, ages 5 - 19.
- For volunteers - interested adults, parents, community members, seniors, partner agencies.
- For increased funding - potential funding entities, including grant providers.

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	611322	171575	71918	91324

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2014

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	383	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- 4H 10. Web Hits: Number of web hits regarding 4-H topics, excluding pages of Agent Resources and Blog areas of the site.
Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Funding: Grant dollars generated to support 4-H Youth Development programs.
Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Value of Volunteers' Time: Value of volunteers' time that Colorado 4-H adult volunteers provide to 4-H programming, based an average donation [CPRS average hours/year/volunteer) at \$22.03/hour (national average for value of time, adjusted for Colorado)
Not reporting on this Output for this Annual Report

Output #4

Output Measure

- 4H1. Trainings, Classes, Workshops, Field Days, Educational Activities, or Events for youth (examples might include: NWSS, Ag Fest, MQA Training, etc.)
Not reporting on this Output for this Annual Report

Output #5

Output Measure

- 4H 5. Community Meetings Convened [examples: Advisory Groups, Councils, Coalition Meetings, Boards]
Not reporting on this Output for this Annual Report

Output #6

Output Measure

- 4H 11. Press/News Release or Column (number submitted)
Not reporting on this Output for this Annual Report

Output #7

Output Measure

- 4H9. Newsletters (This is number of newsletters, not number mailed or number of Coloradans who received them.)
Not reporting on this Output for this Annual Report

Output #8

Output Measure

- 4H 8. Direct Communication/Education by telephone and/or e-mail
Not reporting on this Output for this Annual Report

Output #9

Output Measure

- 4H 10. Websites (number of Websites & number of hits)
Not reporting on this Output for this Annual Report

Output #10

Output Measure

- 4H 2. Trainings for Volunteers (one-on-one)
Not reporting on this Output for this Annual Report

Output #11

Output Measure

- 4H 13. Emergency/Disaster Response. (one-on-one)
Not reporting on this Output for this Annual Report

Output #12

Output Measure

- 4H 6. Community Meetings Facilitated [examples: Focus Group, Citizen Forum, Round Table Dialogue, Strategic Planning Process]
Not reporting on this Output for this Annual Report

Output #13

Output Measure

- 4H 7. Community Coalitions, Collaborations, Alliances Formed to Address a Specific Issue [list specific groups/issue]
Not reporting on this Output for this Annual Report

Output #14

Output Measure

- Classes, trainings, workshops, demonstrations, field days, technical assistance, etc. conducted

Year	Actual
2014	7483

Output #15

Output Measure

- One-on-one direct client contacts by site visit, office drop-in, e-mail, telephone, Ask an eXpert, etc.

Year	Actual
2014	53710

Output #16

Output Measure

- Meetings convened and /or facilitated

Year	Actual
2014	2061

Output #17

Output Measure

- Kits or similar resources loaned or provided

Year	Actual
2014	192

Output #18

Output Measure

- Extension-related research and assessment projects

Year	Actual
2014	31

Output #19

Output Measure

- Web hits

Year	Actual
2014	426525

Output #20

Output Measure

- Indirect contacts through Media releases/appearances, newsletters, blog posts, or other non-peer reviewed publications

Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	4H 1.1: 4-H Youth Development volunteers continually develop their competencies as adult volunteers who work with youth: increase leadership capacity; foster life skill development in youth; increase effectiveness of Extension programs, contribute to increased public service; increase skills in audience(s) in which they work.
2	4H 4.1: Colorado youth apply STEM knowledge and skills in club, community and academic projects and programs. http://www.colorado4h.org/research_impact/surveys/STEM.pdf
3	4H 1.1: 4-H Youth Development programs positively influence the development of youth. Youth develop life skills: contribute to community improvement; set goals; make decisions; keep records; speak in public; lead.

Outcome #1

1. Outcome Measures

4H 1.1: 4-H Youth Development volunteers continually develop their competencies as adult volunteers who work with youth: increase leadership capacity; foster life skill development in youth; increase effectiveness of Extension programs, contribute to increased public service; increase skills in audience(s) in which they work.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	1352

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Trained volunteers increase the capacity to deliver positive youth development programs to youth.

What has been done

1352 volunteers said they apply skills developed through Extension-provided training, supervision, and support to increase their effectiveness in influencing positive youth development for the audience(s) with which they work. ES237 shows 10,386 adult and youth volunteers enrolled in Colorado.

Results

After a Cloverbud Fun night:

"Of the 20 4-H volunteers assisting with the program, the evaluation of the program showed:

*100% felt that volunteering this evening increased their leadership ability or knowledge

*100% thought they increased the social and/or learning skills in the youth they worked with

*100% thought that volunteering increased the effectiveness of the 4-H program

*100% felt that volunteering helped them feel more comfortable speaking in front of a group."

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #2

1. Outcome Measures

4H 4.1: Colorado youth apply STEM knowledge and skills in club, community and academic projects and programs. http://www.colorado4h.org/research_impact/surveys/STEM.pdf

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	5764

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The United States is facing a critical need for a workforce with strong Science, Technology, Engineering, and Math (STEM) skills. Currently, only 32 percent of U.S. college graduates are earning degrees in these fields (NSF 2007). Recent educational reports state that the United States needs 400,000 new graduates in STEM disciplines by 2015 (SETDA, 2008). To meet this growing need, 4-H, the youth development branch of the USDA and part of the land grant university system, has embarked on a STEM initiative that reaches more than five million youth nationwide with hands-on learning experiences that encourage discovery, develop young minds and fill the educational pipeline with leaders proficient in STEM (National 4-H, 2013).

What has been done

State and Regional STEM Specialists provide content and kits to local sites for sharing in-and out-of-school (including day camps). STEMasters training was provided to elementary school teachers to help incorporate STEM into programs that meet school standards. 54,688 youth participated in school enrichment activities through Colorado 4-H, and 11,833 in After-School Programs Using 4-H Curricula/Staff Training, according to ES237.

Results

Data from an embryology program: "The surveys reported that 93% of participants increased their content area knowledge, 68% were able to apply the content knowledge, 83% learned to measure something, 71% learned how to use a scientific tool, 52% learned about record keeping, 78% learned more about observation skills, and 76% increased their interest in science."

4. Associated Knowledge Areas

KA Code **Knowledge Area**
806 Youth Development

Outcome #3

1. Outcome Measures

4H 1.1: 4-H Youth Development programs positively influence the development of youth. Youth develop life skills: contribute to community improvement; set goals; make decisions; keep records; speak in public; lead.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	3745

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

We are all striving for a common goal of providing a better future for our youth. 4-H is about the kids and giving them a positive environment to learn important life skills for the future.

What has been done

90,364 youth participated in 4-H in Colorado, according to ES237. From Caballeros and Clovers 4-H Camp (2 days): Campers also attended workshops based on 4-H curriculum. The workshops for this year were Rocketry, STEM, Home Environment, and Archery. Workshop attendees came away with an increased knowledge about these projects and an interest in enrolling in these projects next 4-H year. Seventy six campers ranging in age from eight to thirteen, ten teen counselors, eight adult chaperones, and seven Extension Agents attended the camp. There was representation from all counties in the Area. Plans are already underway for next year's camp.

Results

Scholars and a team at the Institute for Applied Research in Youth Development at Tufts University researched the effort of 4-H on youth and the results are astounding. Studies show that 4-H-ers are four times more likely to make contributions to their communities; two times more likely to be civically active; two times more likely to make healthier choices; and two time more likely to participate in Science, Engineering and Computer Technology programs during out-of-school time.

One participant said, "4-H has without a doubt made me a patient person and much more confident. I now look for new things to be a part of everywhere. I have gained both people and life skills with the years spent here. I feel I am now better prepared as I take on my future."

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)
- Other (competing family priorities)

Brief Explanation

Families have many choices when selecting activities -- this affects parents as volunteers and youth as participants.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Communities in Colorado depend on quality, contributing members of society. Fostering productive community members begins with our young people. 4-H is Colorado State University's premier youth development program. Positive youth development addresses broader developmental needs of youth, in contrast to deficit-based models which focus solely on youth problems. Positive youth development occurs from an intentional process that promotes outcomes for young people by providing opportunities and relationships and externally, through the delivery of projects and curriculum designed according to the best practices of youth development.

Key Items of Evaluation

New Programs, and/or Addressing NIFA Priorities: STEM priority will benefit from available and promised content and resource support from National 4-H Headquarters, Colorado State University, Extension, and county partners.

Ongoing, Consistent, and/or Successful Programs: Colorado State University Extension reaches Colorado's K-12 youth through 4-H youth development programs in 4-H clubs, after-school and school enrichment. Development of volunteers who provide much of the leadership for 4-H, and private fund-raising are associated activities. 4-H Youth

Development emphasizes personal growth of young people through experiential learning with well-designed curricula and projects.

Cross-cutting or Cross-disciplinary Initiatives: Most 4-H Youth Development programs, while focusing on youth development, are built around content that may be supported by one or more college-based specialists.