



Logic Model: 4-H Animal Science

Situation: Knowledge and skill are needed for proper and safe care of animals as companions or for food production.

INPUTS	OUTPUTS		OUTCOMES – IMPACT		
	Activities	Participation	Short-term	Medium-term	Longer-term
What we invest	What we do	Who is reached	What do we think participants will know, feel, or be able to do after participating in the program?	How do we think the participants will behave or act differently after participating in the program?	What kind of impact can result if the participants behave or act differently after participating in the program?
4-H Youth Development Educators and Specialists Adult Volunteers	Develop and deliver curriculum and instruction for: <ul style="list-style-type: none"> • Animal well-being • Food safety • 21st Century skills /Professional Development Lead 4-H animal project curriculum for: <ul style="list-style-type: none"> • Food production animals (beef, sheep, swine, goat, chicken, etc.) • Equine • Companion Animals (Cat, Dog, etc.) 	Youth in grades 4-12	Youth understand the basics of quality animal care and well being <ul style="list-style-type: none"> • Youth will demonstrate the capacity to provide basic necessities for their animals • Youth will demonstrate safe animal handling techniques, and proper feed handling and storage Youth understand the importance of recordkeeping for the health of their animal <ul style="list-style-type: none"> • Youth will accurately and actively keep records of their animal project • Youth will utilize their records to make informed decisions about their animal Youth understand the importance of producing a safe food product <ul style="list-style-type: none"> • Youth understand the relationship between animal production and food safety, and the impacts their decisions make • Youth will develop and demonstrate the knowledge and skills necessary for responsible animal ownership and consumer confidence in the food supply Youth will grow in 21 st Century skills and professional development <ul style="list-style-type: none"> • Youth will make contributions to their peers, families and communities • Youth develop and implement plans to address challenges experienced when raising and caring for an animal 	Youth will use/apply knowledge and skills learned in future animal science opportunities Youth will use/apply knowledge and skills in showing their animal	Youth will seek out future opportunities, activities, courses, education, degrees, jobs/work related to animal science



			<ul style="list-style-type: none"> Youth demonstrate the skills to properly evaluate and show their animal Youth will see animal science in their futures and recognize the relevance of science Youth demonstrate skills necessary for successful animal science project 		
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Assumptions	External Factors
<ol style="list-style-type: none"> 1. Activities framed around eight essential elements, 4-H guiding principles & mission mandates 2. Delivery modes (club, afterschool, school enrichment and camp) 3. Experiential learning 4. Place-based education (local priorities) 	<ol style="list-style-type: none"> 1. Funding support 2. Youth culture, trends, social norms, media 3. Other youth developing organizations 4. Political priorities, public will, environment