



# Tennessee 4-H Project Profile - Section A

Name of 4-H Project Engineering/Safety Science

Member's Name [REDACTED] Year 13 School Grade (on Jan. 1) 10th

1. **Size and Scope.** List the highlights of your project for this year, including the size, scope and growth of the project. Show size with numbers; show scope by the variety of activities conducted. Include expenses, income, losses, savings to your family, etc. when appropriate.

Item/Activity	Totals	Item/Activity	Totals
Model Bridges Designed and Built	6	Fence row cleared (feet)	200
Bridges Tested (broken) at home	4	Old barbed wire removed (feet)	200
Efficiency of First Bridge(grams/gram)	1144	Bad posts removed	1
Efficiency of Second Bridge(g/g)	1413	Post holes dug	21
Efficiency of Third Bridge(g/g)	1745	New wood post installed	15
Efficiency of Forth Bridge(g/g)	1533	New T-posts driven	18
Efficiency of Bridge at contest(g/g)	2479	Braces built	10
Hours spent designing and building bridges	30	High tensile electric installed (feet)	1800
Models Designed with SketchUp	30	Inline tensioners installed	9
Hours Spent	60	Ground rods driven	6
Hours spent on codeacademy.com	8	New woven wire installed (feet)	200
Hours spent learning code on Code.org	1	Gates made	3
Miles hiked taking data with GPS's	13.45	Gates repaired	2
Hours spent on ArcMap GIS software	40	Fence line sprayed with Roundup(times)	7
Hours spent on ArcGIS online	10	Moved Portable Electro-Net (times)	6
Maps created	2	Chainsaw air filter cleaned (times)	2
Maps partially completed on Dec 31	2	Chainsaw idle adjusted (times)	4
DSLR Camera Models Researched	11	Chainsaw sharpened (times)	5
Camera Lenses researched	8	Trees Sawed	2
Created DVD labels	14	Restrung Weed eater (times)	3
Catapults designed and built	2	Weed-ate yard	7
Poultry Coop/Brooder planned and built(hr)	12	Mowed 1 1/2 acre yard (times)	14
8'x8' Chicken run built (hours)	3	Cleaned Mower with Leaf Blower (times)	3
Barn door enlarged (hours)	4	Total Project Income	\$300
Sliced apples with drill powered slicer(hrs)	2	Total Project Expenses	\$5
Operated tiller safely to till Garden (times)	4	Profit	\$295

2. **Project participation.** Indicate the level of participation with the appropriate letters - local (L), county (C), regional (R), state (S), national (N) - followed by the number of times for each level, such as L3, S1.

a. **Public presentations related to this project.** Include speeches, demonstrations, interactive exhibits, interviews, oral reasons, illustrated talks, media presentations, etc. given this year.

Month	Title/Type of Presentation	No. Times Given/Level
Jan	4-H—A Solid Foundation/Speech	1/C
Jan	Poultry Winter Housing Safety/Project Report	1/L
Jan	Google SketchUp Project Group available/Old Business	1/L
Feb	4-H— A Solid Foundation /Speech	1/R
March	Equipment needed for the safe keeping of Chickens	1/C
March	4-H— A Solid Foundation/Speech	1/L 1/S
March	Proper Maintenance of Sheep Shears/Demonstration	1/L
July	Union County 4-H Technology Team report at GIS Conference in CA	1/N
Aug	Trip to ESRI GIS Conference in San Diego, CA/Project Report	1/L
Sept	CAD Project Group Available/New Business	1/L
Oct	CAD Project Group Available/Old Business	1/L
Oct	National Youth Science Day Maps and Apps/Media Presentation	1/R
Oct	My Plans For The Year/Project Report	1/L
Nov	Bridge Building Project Group available/New Business	1/L
Dec	How to design and make a Christmas Rooster Craft	1/L
Dec	Bridge Building Project Group available/Old Business	1/L
	Total	11/L 2/C 2/R 1/S

