

# Robotics Record



## 2021-2022

<b>Project:</b>	<b>Name:</b>
<b>Unit Number and/or Title:</b>	<b>4-H Club:</b>
<b>Year in this Project:</b> (include current year)	<b>County:</b>
<b>Age Group (check one):</b> <input type="checkbox"/> Junior (8-10) <input type="checkbox"/> Intermediate (11-13) <input type="checkbox"/> Senior (14-18)	
<b>Birthdate:</b> (mm/dd/yy)	
<b>Age:</b> (As of December 31, of current 4-H year)	

*Project and exhibit guidelines for each project are listed in the State Fair Exhibit Requirements available on the web at Colorado4h.org.*

*I declare that the information in this book is correct, and all 4-H requirements have been completed to the best of my knowledge.*

Member's Signature	date
Leader's Signature	date
Parent/Guardian Signature	date





## How I Participate in 4-H!

Categories of Participation	Total this Year	Description/Project Title
<b>What 4-H Projects are you taking this year?</b>		
<b>What activities helped you learn the skills for this project?</b> (project meetings, workshops, classes, contests, etc.)		
<b>What Leadership Development experiences did you participate in?</b> (club/district/state/officer, committee chair, LDC, CLC, YouthFest, State Conference, Jr./Teen leader, pledge leader, etc.)		

4-H	Date	Hours	Activity/Title	Location
<b>Citizenship/Community Service</b>				
<b>Demonstrations/Presentations/Speeches</b>		N/A		
		N/A		
		N/A		

## Project Expense and Income/Value

*Expenses: **Juniors only**, figure the cost of the specific ingredients and materials use for your final exhibit item or display board. Label the item "Exhibit" or "Board". You can add a more specific name. **Intermediates/Seniors**, list items **purchased** this year for your project, such as tools, ingredients, class fees, etc. (More pages can be added if needed.)*

Item	Project Expenses
	\$
	\$
	\$
	\$
<b>TOTALS</b>	\$
<p><i>Income or Value: <b>Intermediates/Seniors Only</b> 1. List practice items you made-like cakes, cookies, bags, room decorations—and estimate the value by comparing it to a similar item you could buy. 2. Record the value of your exhibit item by comparing it to a similar item you could buy. <b>Display boards have no value.</b> 3. Record the amount of money you received for any items you <b>sold</b> as Income.</i></p>	
	\$
	\$
	\$
<b>TOTALS</b>	\$

## Return on Investment

### Intermediate and Senior Members

Every day we make decisions about where to spend our time and money and what activities we want to continue. Ask yourself: How did I benefit from this project? What knowledge and skills did I gain from the project? Did I enjoy it? Was it worth the expense? Could I spend money more wisely the next time? Is it worth doing again? Do I want to learn more?

1. What knowledge and skills did you learn that you can use again?

2. How could you use your new skills to save money or to make money?

3. If you made a product to sell, how would you decide a price for your product?

### Ready. Set. Go.

This record book is open ended. It is designed to reflect the creative freedom you exercise while building your robots. It is broken down into three parts. The first stage is for planning and recording your initial design concepts. The second part of this record is the largest and most detail laden: The engineering design notebook. The final section is a place for documenting your season or build process through writing and photos.

Records take time to create and are sometimes difficult. However, good records will help you remember old ideas that might be useful in the future, record failures and successes, improve upon all design ideas, and, of course, keep useful information organized in one easy to access book. Have fun, be detailed, and create something amazing

## PART I. THE PREAMBLE

Use this space to record and detail initial design plans and schematics. You may add in drawings, pictures, and any other relevant information. Add additional pages as needed between this page and the beginning of Part 2.

## PART II. THE MAIN ACT

Use this space to record everything you do through the current season/year. Some things you might record are design thoughts, plans, patterns, schematics, group meeting notes, parts lists, expense logs, and any other information that you think is pertinent. Remember, details now might benefit you in the future! Add additional pages as needed between this page and the beginning of Part 3.

### PART III. THE ENCORE

Use this page to document (with writing, drawings, photos and more) the build season, competitions, and events. Add additional pages as needed.

## Photographs from your 4-H Project

*A minimum of four pictures with a descriptive caption for each is required. Additional photos can be added. Pictures must be project-specific.*



## 4-H Story

### Length and Format Guidelines

*You can type or hand-write your story. If you hand-write the story, use pencil or ink on lined white notebook paper.*

*If a computer is used to write the story, use plain white paper with no smaller than 12-point font.*

*Leave wide enough margins so the story can be read if inserted into a report cover.*

*Limit your story to a maximum of two (2) pages.*

*Story can be single or double-spaced as long as it does not exceed two pages.*

*Younger members may want to double-space their story so you can see what you are writing.*

*Be sure to use proper grammar and sentence structure.*

*Edit your story when finished. Check your spelling.*

*Have someone else read your story.*

The following questions may help you in composing a story specifically related to your project:

Why did you choose this project?

What goals did you set and which ones did you reach?

What are your 4-H goals for next year?

What would you do differently if you were to try it again?

What skills have you learned in the program?

Have your projects grown in size and scope?

Were any adults or other 4-H members especially helpful to you? How?

Has 4-H helped you become a better leader and citizen?

What has being a 4-H member meant to you?