

Exhibitor Age on Sept. 1:

Florida State Fair

Ag Mechanics

Project Book

This Project Book was developed by the Florida State Fair Ag Mechanics Committee.

Exhibitor Name	Age
Club or Chapter	
I hereby certify that, as the exhibitor of this project, I have personally been responsible for the production on this project, have personally kept records on this project, and have personally completed this record book.	
Exhibitor's Signature	Date

I/We, the parents, certify that our son/daughter has completed this project and <u>completed</u> this record book and will comply with all the rules and regulations of this show.	
Parent/Guardian Signature	Date

This student is an active member of the _____ FFA Chapter / 4-H Club / YLPA Club and is eligible to participate in the AG Mechanics Show at the Florida State Fair. I verify that this record book has been completed by the student and is an accurate representation of the project.	
FFA Advisor / 4-H Leader / YLPA Representative Signature	Date
Revised 11-1-24	

PURPOSE

The purpose of the FSF Ag Mechanic Show

- To provide an opportunity for Florida 4-H, FFA, and YLPA members to display projects constructed in agricultural mechanics labs and/or at home under the supervision of an Agriculture Teacher, 4-H Leader, or YLPA Representative.
- To promote the development of skills in agricultural mechanics through competition.
- To recognize individual accomplishments in the area of agricultural mechanics.
- To provide an opportunity for public appreciation of this important phase of Florida Youth Programs.

Agricultural Mechanics – Project Book: **Explanations and Descriptions**

Please take the time to read the descriptions of the following sections to better understand the items needed for a traditional Project Book used in Agricultural Mechanics shows.

A Project Book is the most comprehensive source of information regarding the process you have undergone to complete your Agricultural Mechanics project. This book will serve as a step-by-step guide while providing as much detail as possible. Think of it as a set of directions so that somebody else can complete the same project without any outside help. In any situation, more information is better than very little. It is important and necessary to include pictures, detailed descriptions, and any other requested information so that you have a complete understanding of your project.

It is suggested that a copy of the record book be used as a work copy. Records can then be transferred to this book for a final copy.

1. Your Project must have been completed within one calendar year of the judging date.
2. Project Books are to be completed on projects being shown.
3. Please do not make it a scrapbook. Do not take pages apart.
4. Do not put the Project book in a binder. If you add pages, staple or tape them in place.
5. Always double-check your work, especially your math calculations.
6. Your final record book must be handwritten.

Bill of Materials

A Bill of Materials is a comprehensive list of parts, items, assemblies, and other materials required to create a product. The Bill of Materials can be understood as the recipe and/or shopping list for creating a final product. The Bill of Materials explains the cost, quantity, and product description. Everyone working on building products, regardless of industry, begins by creating a Bill of Materials.

Equipment List

An Equipment List is a list of all equipment used, accompanied by a brief description of that item and its purpose. An Equipment List needs to be complete, containing every single item used. It is safer in this regard to list something you are unsure about rather than leave it out. Remember, the more information you provide, the better!

Working Drawings (Hand or Computer Generated)

A working drawing is a scale drawing that serves as a guide for the construction or manufacturing of something. It should include as much detail as necessary to replicate the project without confusion. Make sure to include a key that indicates the scale at which your project will be constructed (e.g., 1:64 scale for a Hot Wheels car). Multiple drawings from different angles are expected.

Photographs

In this section, you will include all photographs of you and/or your project while being constructed. **This should include a minimum of 5 pictures and a maximum of 8 pictures.** It is easy to complete this section, you must remember to take pictures as you move on from one step to another. As an exhibitor, your goal is to create an album of pictures that lay out the step-by-step plans you have provided.

Remember to wear your appropriate Personal Protective Equipment (PPE) while working on your project. You will lose points and be questioned by the judges about any apparent unsafe practices while looking through your Project Book. You may print more than one picture per page, saving you lots of space. Also, make sure your text is easily readable.

Hours Worked

Please record the time you dedicate to your project in this section. This should include all activities such as planning, fabrication, or finishing. Everyone needs to see the dedication and hard work you're putting into this project reflected in the time you spend on it. When recording time, use decimal places for half-hour or quarter-hour increments (e.g. 30 minutes = 0.5 hours; 15 minutes = 0.25 hours).

Bill of Materials

Project: _____

[illegible]

Tool and Equipment List

Item #	Item Name	Information

Working Drawings

A working drawing is a scale that can be hand-drawn or a CAD diagram that serves as a guide for the construction or manufacturing of something you built. You must show as much detail as needed to replicate the project with no confusion. Make sure to include a key that expresses the scale at which our project will be constructed. (i.e.: 1:64 is the scale of a hot wheel's car). Multiple drawings are allowed from multiple angles. **Insert additional pages if needed**

Minimum of drawings per class:

Junior - 1 Drawing

Intermediate - 2 Drawings

Senior – 4 Drawings

Photographs

In this section, you will include all photographs of you and/or your project while being constructed. **This should include a minimum of 5 pictures and a maximum of 8 pictures.** It is easy to complete this section, you must remember to take pictures as you move on from one step to another. The caption for each photo should explain what you are doing and why you are doing the things shown in the photo. What skills are you demonstrating and why?

As an exhibitor, your goal is to create an album of pictures that lay out the step-by-step plans you have provided. Spelling and grammar are included in the judge's decision. Captions should be a complete sentence. DO NOT start the caption with "Here I am...", "This is me...", "In this photo..."

Remember to wear your appropriate Personal Protective Equipment (PPE) while working on your project. You will lose points and be questioned by the judges about any apparent unsafe practices while looking through your Project Book. You may print more than one picture per page, saving you lots of space. Also, make sure your text is easily readable.

Photographs (continued)

Photographs (continued)

Hours Worked

[illegible]