

2024 Project Completion Guidelines

Science, Technology, Engineering, and Math (STEM)

General Requirements

- Member must participate in Project Interviews (Judging Day or Early Interviews) with a complete project book for the project to be considered completed for the 4-H year.
- Member must participate in a Project Interview during Judging Day to be eligible to be considered for Ohio State Fair Selection.
- Member must display a representation of their project in their 4-H club fair booth.
- All members should be prepared to know general 4-H information.

Meigs County STEM Projects Completion Requirements

Rockets Away (2-Liter Bottle Rockets)

1. All 3 interest areas.
2. At least 2 organized project activities.
3. At least 2 leadership/citizenship activities.
4. Build and launch a 2-liter bottle rocket.
5. Project review.
6. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Science Fun with Flight

1. All 7 interest areas.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Build a glider or flyer, or a plastic model airplane or jet.
5. Project review.
6. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Rockets Away (Solid-Fuel Model Rockets)

1. All 3 interest areas.
2. At least 2 organized project activities.
3. At least 2 leadership/citizenship activities.
4. Build and launch a solid-fuel model rocket from a kit.
5. Project review.
6. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Solid-Fuel Rocketry Master

1. One major solid-fuel rocketry project.
2. At least 2 learning experiences.
3. At least 2 citizenship activities.
4. Project records including interview, budget, and photos.
5. Judging activity.
6. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

ATV Safety (No state fair event)

1. Safety pledge.
2. All 9 activities.
3. Practice pages.
4. Practice and riding record.
5. At least 2 learning experiences.
6. At least 2 leadership/citizenship activities.
7. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Bicycling for Fun, Level 1 (No state fair event)***Use the same book 1-2 years***

1. At least 7 activities per year.
2. Complete the Bicycling for Fun Achievement Program on second year.
3. Complete Project Goals, Before and After, and Project Highlight sections.
4. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Wheels In Motion, Level 2 (No state fair event)***Use the same book 1-2 years***

1. At least 7 activities per year.
2. Complete the Bicycling for Fun Achievement Program on second year.
3. Complete Project Goals, Before and After, and Project Highlight sections.
4. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Science Fun with Kitchen Chemistry

1. All 11 experiments
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Magic of Electricity, Level 1***Use the same book 1-3 years***

1. At least 7 activities per year (3 main activities and 4 Brain Boosters)
2. At least 2 leadership experiences.
3. Planning Guide.
4. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Investigating Electricity, Level 2***Use the same book 1-3 years***

1. At least 7 activities per year (3 Required Activities and 4 Brain Boosters)
2. At least 2 leadership experiences.
3. Planning Guide.
4. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Science Fun with Electricity

1. All interest areas, experiments and journals for each interest area.
2. At least 2 project activities.
3. At least 2 leadership/citizenship activities.
4. Project summary.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Young Engineers in Solar Energy

1. All 9 activities and Talking It Over questions.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Science Fun with Dairy Foods: The Case of the Missing Milk

1. All 6 activities.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Not Just Knots

1. All 17 activities (including a capstone project) and Talking It Over questions.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Science Fun with Physics

1. All 12 experiments.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Robotics Essentials

1. All 10 activities (including construction of a LEGO Spike Prime or VEX robot) and Talking It Over questions.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Robotics Master

1. One major robotics project.
2. At least 2 learning experiences.
3. At least 2 citizenship activities.
4. Project records including interview, budget, and photos.
5. Judging activity.
6. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
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 - c. Your own test surface to demonstrate your robot's completion of a task of your choosing (in less than 10 minutes) along with a printout of the program.

Crank It Up, Level 1***Use the same book 1-3 years***

1. At least 7 activities each year in either main activities section or Race Ahead sections.
2. Planning Guide.
3. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Warm It Up, Level 2***Use the same book 1-3 years***

1. At least 7 activities each year in either main activities section or Race Ahead sections.
2. Planning Guide.
3. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Tune It Up, Level 3***Use the same book 1-3 years***

1. At least 7 activities each year in either main activities section or Race Ahead sections.
2. Planning Guide.
3. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Ready, Set,...Mow!

1. All 13 activities and Talking It Over questions.
2. At least 2 learning experiences.
3. At least 2 leadership/citizenship activities.
4. Project review.
5. Bring to judging:
 - a. Completed project book.
 - b. A display representing your learning experience.
 - i. The display does not need to be a tri-fold display board.

Ohio State Fair Exhibition Day – STEM Day

- Selections for the Ohio State Fair will be made during the Meigs County Judging Day and based on Meigs County Project Completion Requirements.
- Not everyone who wins first or second place will be eligible for Ohio State Fair selection. This is based on the judge's decision.

