

Exhibits Level 1: Crank It Up! (Grades 3 -5)

Educational Display: Any educational display related to what you have learned in this project. Some possibilities of exhibits might include:

1. Picture poster showing what you have learned about small engines.
2. Display the basic tools needed to maintain a small engine.
3. An educational display related to what you have learned about two-cycle engines.
4. An educational display related to what you have learned about four-stroke engines.
5. An educational display showing proper maintenance and care of a lawn mower.
6. An educational display of proper safety labels and procedures for small engines.
7. Small engines parts display board with a brief explanation of the purpose of the parts and how they work.
8. Display related to some system that you learned about in small engines (filters, cooling, ignition, etc.)

Exhibits for Level 2: Warm It Up! (Grades 6 – 8)

Educational Display: Any educational display related to what you have learned in this project. Some possibilities of exhibits might include:

1. An educational display comparing the different types of engines.
2. An educational poster illustrating and explaining the internal parts of an engine.
3. An educational display showing how transmissions work.
4. An educational display showing how to conduct a compression check.
5. An educational display showing how to adjust a carburetor according to owner's manual instructions and in accordance with EPA regulations.
6. A display using a real small engine with a brief explanation showing steps in preparing a small engine for storage.
7. Carburetor parts display board with a brief explanation of the purpose of the parts and how they work together.
8. An income and expense record of your lawn mowing business, including costs, hours worked, pay for individual jobs, etc.

Exhibits for Level 3: Tune It Up! (Grades 9 -12)

Educational Display: Any educational display related to what you have learned in this project. Some possibilities of exhibits might include:

1. An educational display showing how to use diagnostic tools on small engines.
2. An educational display showing how to tear down and reassemble a small engine.
3. An educational display related to the electrical system of a small engine.
4. An educational display about emissions systems on small engines and future trends.
5. An educational display showing mower blade inspection and maintenance skills.
6. An educational display about careers in small engines.
7. An educational display about your work in finding resources about small engines on the Internet.
8. An educational display about trouble-shooting common problems with small engines.
9. An educational display about small engines designs.
10. An educational display related to what you have learned in this project.



Tractor

Judging - Thursday, July 2, at 3pm at the Fairgrounds; Home & Family Arts Building.

1 display for each level to State Fair



Contact project leader Doug Wise at tdwise76@yahoo.com for more information about the tractor project and contest!

****Please also refer to the Policies and Procedures beginning on page 2 and the General Project Rules on page 20.***

Junior Division – Grades 3 -7
Senior Division – Grades 8 – 12

Ag Tractor Project Outline:

Objectives of Project:

1. To acquaint and improve operator’s knowledge of tractor safety.
2. To improve operator’s knowledge of tractor maintenance.
3. To improve tractor driving skills.

Requirements:

1. Attend county tractor workshop meetings
2. Complete assigned work sheets and activities
3. Participate in tractor contest: parts identification, quiz, and drive obstacle course.
 - a. Juniors – tractor and 2-wheel trailer OR display safety poster
 - b. Seniors – tractor and 4-wheel trailer OR display safety poster
4. If you are unable to participate in #3, then complete one of the following exhibits:
 - a. Poster – 22”x 28”, displayed horizontally, with a stiff backing, and covered in clear plastic.
 - b. Notebook report
 - c. Display board: display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three dimensional items are attached to the board.
 - d. Action demonstration

Note: The subject matter content for the exhibit must correspond to the subject matter found in:

Level A (Grades 3 – 4) – subject matter found in Level A manual

Level B (Grades 5 – 6) – subject matter found in Level A and B manuals.

Level C (Grades 7 – 9) – subject matter found in Level A, B, and C manuals.

Level D (Grades 10 -12) – subject matter found in Level A, B, C, and D

Lawn & Garden Tractor Project Outline:

Objectives of project:

1. To learn lawn and gardening safety
2. To learn proper maintenance of small engines and lawn equipment
3. To learn a working knowledge of lawn equipment and lawn care.

Requirements:

1. Attend county tractor workshop meetings
2. Complete assigned worksheets and activities
3. An educational display of worn parts, etc. caused by improper care
4. Give a 4-H lawn and garden demonstration
5. Participate in lawn tractor contest: quiz, parts identification, obstacle course
 - a. Juniors – drive the course
 - b. Seniors – forward and backward through the course



Welding

Judging - Thursday, July 2, at 3pm at the Fairgrounds; Home & Family Arts Building.
No State Fair Exhibit



Contact project leader Bob Ferguson at bobbysixguns@gmail.com or Ed Burbank at ed_burbank@yahoo.com for more information about the welding project!