

# DEPARTMENT J – AG EDUCATION



## REQUIREMENTS

- Projects entered shall be the direct result of Agricultural Mechanics instruction in Ag-Ed and constructed primarily under the supervision of the Ag-Ed Instructor.
- The student entering the project will have had at least 75% of the construction responsibility for the project.
- Each item will be NEATLY tagged at the time of entry with the name of the article, classification, the student's name, age, and grade level at time of construction, name of school, and cost of construction.
- The superintendent shall make the final determination of the class for each entry.
- Each student may exhibit only 2 items in each class.
- The power unit should be included on all power driven equipment during the judging, but must be adjusted so it will not function thereafter, for safety of the public.

## BASIS FOR JUDGING

- **Construction**  
Soundness of joints and attachments, correctness, neatness of cuts .....40 points
- **Utility**  
Functional design, ease of use, portability or storability .....40 points
- **Workmanship**  
Attention to detail and neatness; should not effect immediate function .....20 points

PREMIUMS: Purple-\$3.00; Blue-\$2.00; Red-\$1.50; White-\$1.00

### DIVISION 500 - UTILITY

- 5000 **LARGE ITEMS** - Wagons, Trailers
- 5001 **MEDIUM ITEMS** - Carts, Welding Tables, Presses, Engine Hoists, Engine Stands
- 5002 **SMALL ITEMS** - Splash Blocks, Tool Boxes, Foot Scrapers, Stools, Car Ramps, Jack Stands

### DIVISION 510 - PRODUCTION

- To include items/tools used in crop or livestock production.
- 5100 **LARGE ITEMS** - Loading Chute, Bale Carrier, Hog Carrier
- 5101 **MEDIUM ITEMS** - Stock Panels, Sheep Blocker
- 5102 **SMALL ITEMS** - Post Driver, Post Puller, Troughs

### DIVISION 520 - POWER

- To include items/tools which incorporate an electric, hydraulic, and/or fuel motor as a power source to perform a function. (Equipment must be prepared for display in the power category).
- 5200 **LARGE ITEMS** - Large Sprayer
- 5201 **MEDIUM ITEMS** - Log Splitter
- 5202 **SMALL ITEMS** - Small Sprayer

### DIVISION 530 - HORTICULTURE

- To include items/tools used around the lawn/garden for recreation or improvement purposes.
- 5300 **LARGE ITEMS** - Grills, Smokers, Planters, Mini-Sprayers
- 5301 **MEDIUM ITEMS** - Picnic Tables, Patio Seats, Patio Table
- 5302 **SMALL ITEMS** - Plant Stands, Planter Boxes, Signs

### DIVISION 540 - REFURBISHING

- A restoration of an item/tool, which has current benefit to one of the following categories. The project must include a narrative describing the condition of the tool/item prior to repair; steps taken to repair the item; a bill of materials which indicates costs; and attractively mounted pictures with appropriate captions.
- 5400 **LARGE ITEMS** - Tractors
- 5401 **SMALL ITEMS** - Antique Farm Tools

## DEPARTMENT K - INDUSTRIAL ARTS



### DIVISION 550 - DISPLAY BOARDS

- A display board shall be items completed by FFA members between the close of the last state fair and the end of school prior to the current county fair.
- Each display board shall be 18" x 24" x 3/8".
- Welding Boards shall identify: 1) kind of weld; 2) position of weld; 3) amperage; 4) electrode size; 5) AWS number; and 6) thickness or dimension of metal. Minimum of 8, and maximum of 10, welds per board. Welds shall be attached so all sides are available for evaluation. Judges will deduct points if welds are mounted solid. No specific welds are required; however, welds must differ from one another by at least position, electrode size, AWS number, thickness or dimension of metal, or kind of weld.

5500 **ARC**

5501 **MIG/TIG**

5502 **GAS WELDING/BRAZING**

5503 **ELECTRICAL** - Must include at least 1 switch, 2 types of splices, 1 light fixture or receptacle.

5504 **PLUMBING** - Must use 3 types of pipe (copper, plastic & steel); soldering, flare fitting, glued joint, and a steel threaded joint are required.

5505 **ADVANCED ELECTRICAL OR PLUMBING** - Contains controls, valves, timers, motors, etc.

### REQUIREMENTS

- Household/industrial arts items are eligible to exhibit, i.e. gun racks, desks, magazine racks, computer table, etc.
- Items that appear to be craft items or industrial technology will not be permitted to show as a FFA exhibit; show management has decision-making authority in this area.
- Industrial Arts Items will not be allowed to exhibit at the state fair.
- No craft items.

PREMIUMS: Purple-\$3.00; Blue-\$2.00; Red-\$1.50; White-\$1.00

### DIVISION 560 - INDUSTRIAL ARTS

5600 **LARGE ITEMS** - Cabinets, chests, etc.

5601 **SMALL ITEMS** - Stools, shelves, etc.