

FFA ENGINEERING

Adult Advisors: FFA Advisors

SCHEDULE

Project Check In

Thursday, July 30

10:00 am - noon

2 pm - 6 pm

FFA Shop and Crop Judging (closed)

Saturday, August 1, 2 pm

Jr Fair Non-Livestock Released

Saturday, August 8, 3pm - 5pm

Project check-in will be from 10 am - 12 pm (noon) with alternate check-in from 2:00 pm - 6:00 pm the Thursday before the fair.

General Rules

Projects must be made in Agricultural Education Department during the current school year. Each exhibitor may enter only one exhibit in each of the classes. Each entry must be signed by an FFA advisor. A rosette will be given to the best entry in classes consisting of five or more entries.

FFA Ag. Engineering Sweepstakes Trophy

1. All students who participate in the Ag. Engineering (wood/metal) shows are eligible for trophy.
2. Each 1st place = 3 points, each 2nd place = 2 points, each 3rd place = 1 point
3. Each class champion will receive an additional point.
4. The student who receives the most total points will receive the Sweepstakes Trophy.

FFA ENGINEERING CLASSES

J-200 Woodworking

- J-200 Small Nail Box
- J-201 Tool Carrier
- J-202 Other Small Projects
- J-203 Medium Project - farm gates, tool cabinets, hog feeders, one saw horse, corn hole, etc.
- J-204 Large Project - hog houses, beef feeders, wagon beds, dog house, etc.
- J-205 Large Tool Box

J-300 Welding

- J-300 Small projects (predominantly welding) -foot scrapers, C-clamps, etc.
- J-301 Medium projects (predominantly welding) - hog troughs, calf feeders, etc.
- J-302 Large projects (predominantly welding) - in order to construct i.e. wagon running gear, trailer, farrowing crates, etc.
- J-303 Sample Arc Welding demonstration board - a 3" long butt, 3" long lap, and a 3" long T weld on 3/16" thick metal showing starting and stopping of weld, mounted on a 6" x 12" wood panel
- J-304 Sample MIG Welding demonstration board - a 3" long butt, 3" long lap, and a 3" long T weld on 3/16" thick metal showing starting and stopping of weld, mounted on a 6" x 12" wood panel
- J-305 Sample Oxy-acetylene Welding demonstration board - a 3" long fusion corner weld, 3" long brazed T weld, 3" long steel welding butt weld and an example of cutting metal with an oxy-acetylene mounted on a 6" x 12" wood panel. Use 1/8" x 1" metal.
- J-306 Sample TIG Welding demonstration board - a 3" long butt, 3" long lap and a 3" long T weld on 3/16" thick metal showing starting and stopping of weld, mounted on a 6" x 12" wood panel
- J-307 Decorative Welding Project

J-400 Home Improvement Projects

- J-400 Small Table
- J-401 Flower Box
- J-402 Chair
- J-403 Wood Bench
- J-404 Wood Storage Box
- J-405 Other Small Project
- J-406 Other Medium Project
- J-407 Other Large Project
- J-408 Construction Electric Cord Carrier
- J-409 Electrical Circuit
- J-410 Concrete Project
- J-411 Birdbath
- J-412 Stepping Stones
- J-413 Concrete Bench
- J-414 Concrete Flower Pot
- J-415 Electrical Wall
- J-416 Plumbing Board

J-500 Metal

- J-500 Small Project - feed scoop, hay hook, etc.
- J-501 Other Metal Project - machined metal (tool & die, lathe, etc.)

J-600 Mechanics

- J-600 Restoration and/or repair of a single cylinder engine - this project should include the actual entry and a photo display depicting the student's work on the project. The photo display of not less than 6 or more than 12 photos, may be color or black/white photos that are not larger than 4" x 6" with descriptions not exceeding 50 words per photo.
- J-601 Restoration and/or repair of a multi-cylinder engine or tractor - this project should include the actual entry and a photo display depicting the student's work on the project. The photo display of not less than 6 or more than 12 photos may be color or black/white photos that are not large than 4" x 6" with descriptions not exceeding 50 words per photo.
- J-602 Restoration and/or repair of a farm implement not fitting into the other J-600 categories - this project should include the actual entry and a photo display depicting the student's work on the project. The photo display of not less than 6 or more than 12 photos may be color or black/white photos that are not larger than 4" x 6" with descriptions not exceeding 50 words per photo.
- J-603 Cooperative project - two or more individuals may enter the same project (i.e. restored tractor, spreader, etc.) However, only 1 premium will be awarded and that person must be designated at the time of the entry.

J-700 Miscellaneous Projects

- J-700 Please describe project
- J-701 Blue prints
- J-702 The Wood Project Scale Model
- J-703 Animal Facilities Model
- J-704 Agricultural Artwork

FFA Photo Story

1. Only one entry in each class may be made by chapter or individual.
2. All photographs must be mounted on cardboard 22" x 28". The exhibit should be properly labeled.
3. Photographs taken by professional photographers should not be included.
4. Photographs will be judged with this criteria:
 - a. General appearance and power to attract attention
 - b. Development of a central thought or idea - individual exhibits should include 4 steps in carrying out a logical development of program
 - c. Pictorial and photographic quality of individual prints

J-800 Photo Story

- J-800 Chapter Class
 - Photograph exhibits may portray the activities of the chapter in developing farming programs, leadership, cooperation, community services, earnings/savings, scholarship, conduct of meetings, recreation and conservation of safety
 - An exhibit may portray one area or a combination of areas
 - Four photographs of FFA activities in the last twelve months in color. Photographs should be no larger than 5" x 7". A minimum of 4 photographs of FFA activities.
- J-801 Individual class
 - Entries should consist of a minimum of 4 photographs of livestock, crops, and farm improvements which are part of the students' current SAE.

J-900 Agriscience Fair Display Boards

J-1000 Class Projects

- J-1001 Eaton AFNR
- J-1002 Eaton Plant and Animal Sciences
- J-1003 Eaton Mechanical Principles
- J-1004 Eaton Food Science
- J-1005 Eaton Ag Business

- J-1006 National Trail AFNR
- J-1007 National Trail Livestock Science
- J-1008 National Trail Ag Business
- J-1009 National Trail Greenhouse Management
- J-1010 National Trail Ag Mechanics
- J-1011 National Trail Ag Capstone

- J-1012 Preble Shawnee AFNR
- J-1013 Preble Shawnee Plant and Animal Sciences
- J-1014 Preble Shawnee Mechanical Principles
- J-1015 Preble Shawnee Food Science
- J-1016 Preble Shawnee Ag Business

- J-1017 Tri County North AFNR
- J-1018 Tri County North Animal and Plant Sciences
- J-1019 Tri County North Ag Business
- J-1020 Tri County North Mechanical Principles

- J-1021 Twin Valley South AFNR
- J-1022 Twin Valley South Greenhouse
- J-1023 Twin Valley South Ag Business
- J-1024 Twin Valley South Ag Capstone