

DEPT 24 – MECHANICAL PROJECTS

Premiums Except Class A: Blue (2.00) Red (1.75) White (1.50) Pink (1.25)

General Rules

1. All posters must not exceed 14" x 22". All items on exhibits/posters/displays must be named or labeled

Class A – Tractor Maintenance

Exhibit Suggestions (but not limited to):

Tractor Safety; Different kinds of nuts, bolts, screws, etc. on farm machinery; damaged parts caused by poor maintenance; chart on lubrication; proper care & adjustments, etc.

Lot No

1. Exhibit made by member
2. Exhibit made by member
3. Exhibit made by member
4. Exhibit made by member

Reserve Champion & Champion Tractor Maintenance – Ribbon

Class B – Tractor Restoration

Rules:

1. Exhibitor must have exhibit in place & checked in with judge at Cloverbud Building by 5 p.m. when judging starts

Lot No

1. Exhibit made by member
2. Exhibit made by member
3. Exhibit made by member
4. Exhibit made by member
5. Exhibit made by member

Reserve Champion & Champion Tractor Maintenance – Ribbon

Class C – Small Engine

Rules:

1. Open to exhibitors enrolled in Small Engines in the appropriate unit.
2. Exhibit suggestions: identification of parts, steps in service job, preparing engine for off season storage, safety, show diagram of one of the systems (fuel, lubrication, ignition), events in an engine, carburetor parts with explanation of function, prevention maintenance, maintains your mower, compare and purchase, etc.

Lot No

1. Exhibit by member
2. Exhibit by member
3. Exhibit by member
4. Exhibit by member

Reserve Champion & Champion Small Engine – Ribbon

Reserve Grand Champion & Grand Champion Mechanical Projects (A-C) – Rosette

Class D – Handyman

Rules:

1. Open to members enrolled in the Maintenance/Repair project.
2. Exhibit Suggestions: Any exhibit restored, repaired, or refinished by member

Lot No

1. Exhibit made by member
2. Exhibit made by member
3. Exhibit made by member
4. Exhibit made by member

Reserve Champion & Champion Handyman – Ribbon

Class E – Metal Fabrication

Rules:

1. Open to members enrolled in Metal Fabrication project (Welding).

Lot No

1. Exhibit made by member
2. Exhibit made by member
3. Exhibit made by member
4. Exhibit made by member

Reserve Champion & Champion Metal Fabrication – Ribbon

Reserve Grand Champion & Grand Champion Mechanical Projects – Rosette (Class D – E)

Class F – Aerospace

Rules:

1. Open to members enrolled in Aerospace or Model Rocket project.
2. Batteries must be removed from exhibit.

Lot No

1. Exhibit made by member
2. Exhibit made by member
3. Exhibit made by member
4. Exhibit made by member

Reserve Champion & Champion Aerospace – Ribbon

Class G – Rocket Launching

Rules:

1. Open to members enrolled in Aerospace or Model Rocket project.
2. Launch will be 9am Wednesday morning of the Fair, at the Tiffany Creek Events Area (south end). Weather permitting.

Judging Criteria – 50 points total

1. Launch safety – 10 pts
2. Flight stability – 10 pts
3. Engine selection – 10 pts
4. Recovery systems operation – 10 pts
5. Recovery accuracy – 10 pts

Lot No

1. Parachute – Grade 3-6
2. Streamers – Grade 3-6
3. Parachute – Grade 7-13
4. Streamers – Grade 7-13

Reserve Champion & Champion Models – Ribbon

Class H – Models (Auto & Other)

Exhibit Suggestions:

Self-made model, model from a kit, customized model.

Lot No

5. Exhibit made by member
6. Exhibit made by member
7. Exhibit made by member
8. Exhibit made by member

Reserve Champion & Champion Models – Ribbon

Class I – Building Skills (Legos, Knex, etc.)

Rules:

1. Open to members enrolled in Building Skills project. Any toy building system may also be used.
2. Kits may be used but **must include designs or plans from the kit.**
3. Original designs should include any drawings, designs or plans **if** they were a part of the project, if exhibitor did not use the above he/she should be able to explain how they created it and/or came up with the idea.
4. For safety of the project exhibit **must be** displayed on a board **not larger than 20" x 20"**.
5. **Each exhibit must be a different structure (example: vehicle, aircraft, building, scene, etc.)**

Lot No

1. Exhibit made by member Grade 3-7
2. Exhibit made by member Grade 3-7
3. Exhibit made by member Grade 3-7
4. Exhibit made by member Grade 8-13
5. Exhibit made by member Grade 8-13
6. Exhibit made by member Grade 8-13

Reserve Champion & Champion Building Skills – Ribbon

Reserve Grand Champion & Grand Champion Mechanical Projects – Rosette (Class F – H)