

# DEPT 24 - MECHANICAL PROJECTS

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

## CLASS A - 4-H/FFA TRACTOR PROJECT OPERATORS CONTEST

(Contest will be held in June)

Premiums: Blue \$2.50 Red \$2.25 White \$2.00 Pink \$1.75

Lot No.:

1. Contest

Premiums (Class B – J): Blue \$2.00 Red \$1.75 White \$1.50 Pink \$ 1.25

## CLASS B - TRACTOR MAINTENANCE

Exhibit suggestions: 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

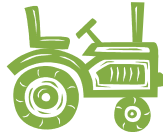
**Reserve Champion – ribbon**  
**Champion – ribbon**

## CLASS C - TRACTOR RESTORATION

- Display needs to be in place by 5 pm
- Exhibitors must check in with the judge at the Cloverbud/Explorer Building before 5 pm
- Judging will occur at 5 pm

Lot No.

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



**Reserve Champion – ribbon**  
**Champion – ribbon**

5. Exhibit made by member

## CLASS D - SMALL ENGINE

Open to members enrolled in Small Engines – Unit 1:

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, etc.

Lot No.

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

Open to members enrolled in Small Engine, Unit 2:

Exhibit suggestions: Identification of parts, events in an engine, carburetor parts with explanation of function, preventive maintenance, safety, etc.

Lot No.

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

Open to members enrolled in Small Engine, Unit 3:

Exhibit suggestions: Carburetor function, ignition system, maintain your mower, compare & purchase, etc.

Lot No.

- 9. Exhibit made by member
- 10. Exhibit made by member

- 11. Exhibit made by member
- 12. Exhibit made by member

**Reserve Champion – ribbon**  
**Champion – ribbon**

**CLASS E - HANDYMAN**

- Open to members enrolled in the Maintenance/Repair Project
- Exhibit suggestions: any exhibit restored, repaired, or refinished by member

Lot No.

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

**Reserve Champion – ribbon**  
**Champion ribbon**

**CLASS F - METAL FABRICATION**

- Open to youth enrolled in the Metal Fabrication Project (Welding)

Lot No.

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

**Reserve Champion – ribbon**  
**Champion – ribbon**

**RESERVE GRAND CHAMPION (Classes B – F) – Rosette**  
**GRAND CHAMPION (Classes B – F) – Rosette**

**CLASS G – AEROSPACE**



- Open to members enrolled in Aerospace Project or Model Rocket Project
- Batteries must be removed from exhibit

**Exhibit suggestions:** model airplanes (made from kit/made with no kit and made to fly/made not to fly), safety, model rocket with explanation of parts, etc., model rocket (from kit or no kit), any exhibit from project book

Lot No.

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

**Reserve Champion - Ribbon**  
**Champion - Ribbon**

**CLASS H - MODELS (AUTO AND OTHER)**

Exhibit suggestions: self made model, model from a kit, customized model

Lot No.

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

**Reserve Champion - Ribbon**  
**Champion - Ribbon**

**CLASS I – BUILDING SKILLS (Legos, Knex, etc.)**

- Open to members enrolled in the Building Skills Project
- Kits may be used – include designs or plans
- Original Design - include any drawings, designs or plans that were a part of the project.
- Any toy building system may be used
- Exhibit must be displayed on a board not larger than 20” x 20”
- **Each exhibit must be a different structure (i.e. vehicle, aircraft, building, scene, etc.)**

Exhibitors in Grades 4 – 7:

Lot No.

**JUNIOR FAIR**

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

Exhibitors 8<sup>th</sup> Grade and Over:

Lot No.

- 4. Exhibit made by member
- 5. Exhibit made by member
- 6. Exhibit made by member

**Reserve Champion - Ribbon  
Champion – Ribbon**

**CLASS J - COMPUTER TECHNOLOGY**

Open to youth enrolled in the Computer Technology Project

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 –Ribbon  
Champion – Ribbon**

**RESERVE GRAND CHAMPION (Classes G – J) - Rosette**

**GRAND CHAMPION (Classes G – J) – Rosette**