

# JUNIOR Exhibit Guide



July 8 - 12,  
2026

Northern Wisconsin State Fair  
225 Edward Street, Chippewa Falls, W 54729  
715-723-2861 [www.nwsfa.com](http://www.nwsfa.com)

---

## Junior Mechanical ~ Department B24

---

**All exhibitors are expected to be familiar with and follow all expectations covered at the beginning of this guide: Topics include:**

1. Exhibit Guide: Use only this year's guide. Follow the schedule listed on page 1.
2. Method of Registration:
  - online at <http://nwsfa.fairwire.com>
  - Payment is required to complete registration.
  - A registration worksheet with fee details is available on the website.
  - All work must be created by the exhibitor since August 1 of the previous year (within the past 11 months).
  - By registering to exhibit at the Fair you authorize the use of your image (photo, audio, or video) for NWSF advertising and marketing.
3. Perks of Registering
4. Exhibit Tags: Should be attached to the exhibit prior to drop off.
5. Registration: Changes, Additions, Substitutions and Refunds.
6. Exhibit Arrival / Drop-Off:
7. Judging:
  - DATCP allows classes with low entry numbers to be merged into an 'any other' class at the time of judging. Large classes may be divided.
  - The decision of the certified judge is final.
  - Junior Divisions will utilize the Danish system, with modifications as noted on specific department pages.
8. Premiums & Ribbons
  - a. Exceptional exhibits may receive a Judge's Choice ribbons per State Fair rules or a Best of Show ribbon for Departments that are not eligible for the State Fair.
9. Parking & Entry to the Grounds
10. Removal of Exhibits
11. Camping
12. Leadership Structure
13. Ethics for Non-Animal Exhibits (Open 14–28 & Junior 10–33) Show respect to everyone.
14. Guidelines for Livestock Exhibits — Open (01–11) & Junior (01–13)
15. Ethics for livestock exhibits Open 01-11 & Junior 01-13 .
16. NATIONAL CODE OF SHOW RING ETHICS – I.A.F.E.
17. Liability Information

**Items specific to this department exhibitors agree to:**

- A. Projects may only be entered once. May not be entered a second year.
- B. Posters may not be larger than 18x24.
- C. State Fair eligible. Best of Show ribbon(s) may be awarded.

**Department Junior Mechanical #24**

**Premiums**

1<sup>st</sup> =\$2    2<sup>nd</sup> =\$1.75    3<sup>rd</sup> =\$1.50    4<sup>th</sup> =\$1.25

**Division A – Tractor - Class # - Description**

1. Poster explaining tractor or machinery safety.
2. Display board showing various kinds of nuts, bolts, screws, rivets, and other fasteners used on farm machinery, properly labeled.
3. Poster showing the importance of proper tractor care and adjustments as they relate to good tractor operation. Examples: Spark plugs, batteries, tires, air cleaners, carburetors, etc.

## **JUNIOR Fair Exhibit Guide NWSF 2026**

4. Display of one piece of toy farm machinery, (including toy tractor or implement) mounted on plywood board, with written explanation of significance of this toy farm machinery.
5. Presentation about a tractor restored by exhibitor with explanation of restoration process.

### **Division B – Automotive - Class # - Description**

1. Poster indicating types of traffic signs, signals and highway markings used in Wisconsin.
2. Poster reporting a study of the uses of the family automobile.
3. Maintenance schedule (Form 1) for family car, cost account for one month (Form 2) and insurance charges (Form 3). These to be put on a poster.
4. Poster with information on car keeping: (a) interior care; (b) exterior care: washing, vacuuming, removing stains, polishing, etc.
5. Poster or display showing operation of any one working unit of an automobile engine.
6. Chart showing stopping distances required for different road conditions at different M.P.H. ranges.
7. Chart or display showing the operation of any one working unit of any automobile engine.
8. Display of carburetor identifying the various component parts.
9. Display of distributor identifying the various component parts.
10. Display of the engine cooling system identifying the various component parts.
11. Display of sections of different worn tires with explanation of causes of wear.
12. Exhibit of worn brake lining and damaged brake drums versus new lining and smooth drums.
13. Automotive safety poster.
14. Item related to Off-Highway Vehicles (ATV, UTV, snowmobile, etc.) Include a poster or display, safety, parts, and operation.

### **Division C - Small Engines - Class # - Description**

1. Panel exhibit of small engine parts with identification to the parts.
2. Poster showing correct steps in preparing a small engine for winter storage (14"x22"). Maximum panel size is 4'x4'.
3. Panel showing worn or faulty engine parts with a statement as to cause and prevention. Panel 4'x4' is maximum size.
4. Poster showing the events in a four-cycle engine with a brief explanation
5. Panel exhibit of carburetor parts with explanation of function of parts, float, or diaphragm type.
6. Poster showing events in a two-cycle engine with a brief explanation.
7. Small engine safety poster
8. Safety poster on chainsaw use, outboard motors, or motor bikes
9. A cut away small engine with a brief explanation of the work done.
10. A rebuilt small engine with a brief explanation of work done.

### **Division D – Bicycle - Class # - Description**

1. A study project on the types of bicycles, past or present (examples: booklet or miniature models).
2. Identification of bicycle parts, poster
3. Steps in care and maintenance of a bicycle, poster
4. Poster on safe bicycle operation,
5. Poster on vehicle and bicycle laws,
6. Bicycle safety poster,
7. Log of at least 3 bicycle trips.

### **Mechanical**

#### **Division E – Aerospace - Class # - Description**

1. Poster, illustrating an airplane instrument panel.
2. A Balsawood flying model airplane.
3. A plastic model airplane-from a kit, assembled by the exhibitor.
4. A model of an airplane mock-up to demonstrate aircraft controls.
5. Model rocket built from a kit. Be prepared to discuss assembly procedures. completed Grades 3-8.
6. Model rocket built from a kit Be prepared to discuss assembly procedures. completed Grades 9-13.
7. Model rocket previously launched by exhibitor completed grades 3-8.
8. Model rocket previously launched by exhibitor completed grades 9-13.
9. An aerospace safety poster.
10. Radio-controlled plane, poster, or illustration
11. Drone poster or illustration

## **JUNIOR Fair Exhibit Guide NWSF 2026**

### **Division F – Models – Class # - Description**

- All Mechanical Science Models, including LEGO's, Knex or similar construction kits.
  - Reference to Legos is meant to include comparable products in every case.
  - No engine driven rockets
1. Models made from building blocks (Lego style) from a kit - completed Grade 5 and under
  2. Models made from building blocks (Lego style) from a kit - completed Grades 6-8
  3. Models made from building blocks (Lego style) from a kit - completed Grades 9-12
  4. Models made from building blocks (Lego style) not from a kit - completed Grade 5 and under
  5. Models made from building blocks (Lego style) not from a kit - completed Grades 6-8
  6. Models made from building blocks (Lego style) not from a kit - completed Grades 9-12
  7. Models made from Knex blocks
  8. Model made from a kit - (pre-painted plastic)
  9. Model made from a kit - (pre-painted steel)
  10. Model made from a kit - (self-painted)
  11. Customized models\*\*Made from parts from kits of other models. Example: Model A Ford Kit, with parts from a Pinto or other car to customize the kit or stock car from a model kit.
  12. Any other model from your own original design, constructed.

### **Division G – Handyman - Class # - Description**

1. Repaired or constructed article for use in the workshop. (Attach a statement of work done and method used.)
2. Repaired, refinished, or constructed articles for sport or recreational purposes. (Attach a statement of work done and method used.)
3. Repaired, refinished, or constructed articles for use in the home. (Attach a statement of work done and method used.)
4. Repaired, refinished, or constructed articles for use outdoors. (Attach a statement of work done and method used.)
5. Constructed article using recycled materials.

### **Division H – Welding - Class # - Description**

1. Poster showing the different equipment used for welding.
2. A display of 3 welds (t-joint, butt weld and lap weld) using oxyacetylene, arc or wire welder. Joints may be no more than 3" long.
3. Repaired item.
4. Manufactured item.
5. Any other welding projects.