

# DEPARTMENT H – SCIENCE, ENGINEERING & TECHNOLOGY

## **Sarpy County Fair Co-Superintendents:**

*Deb Albright*

*Elizabeth Pokorny*

## **Junior Superintendents:**

*Josh Albright*

4-H Staff Person Responsible – John Kilpatrick

## **Department H – Science, Engineering & Technology Division 820- Model Builders**

### **Rules:**

- A. Member's age should appear on the exhibit tag.
- B. **Number of entries: multiple, please refer to Exhibit Entries Rules and Regulations**
- C. Unit I is Cars and Trucks; Unit II is Ships; Unit III is Armor; and Unit IV is Aircraft.
- D. All models must be painted (except for chrome and clear parts).
- E. Special awards will be presented for Top Aircraft, Top Ship, Top Armor Award and Top Diorama Award.
- F. A Junior Exhibitor is a member who is under 12 on Jan. 1.
- G. A Senior Exhibitor is a member who is over 12 on Jan. 1. An exhibit will consist of one model built in this project.
- H. **Premiums in the Model Builders Section are pay level 5.**

**\* FOLLOWING CLASSES ARE NOT ELIGIBLE FOR STATE FAIR CONSIDERATION\***

- Class 901\* Junior Exhibitor Unit I**
- Class 902\* Senior Exhibitor Unit I**
- Class 903\* Junior Exhibitor Unit II**
- Class 904\* Senior Exhibitor Unit II**
- Class 905\* Junior Exhibitor Unit III**
- Class 906\* Senior Exhibitor Unit III**
- Class 907\* Junior Exhibitor Unit IV**
- Class 908\* Senior Exhibitor Unit IV**
- Class 909\* Junior Exhibitor- any other type of model**
- Class 910\* Senior Exhibitor- any other type of model**
- Class 911\* Model Diorama - Model placed in a setting that illustrates how it was actually used. (Limit to 30 inch square.)**

## **Department H – Science, Engineering & Technology Division 821- Model Bridge Builders**

**Rules:**

- A. Member's age should appear on the exhibit tag.
- B. **Number of entries: multiple, please refer to Exhibit Entries Rules and Regulations**
- C. Unit I is a single span Truss bridge; Unit II is a single span Arch bridge ; Unit III is a multiple span suspension bridge, Unit IV is a multiple span cable-stayed bridge and Unit V is any other multiple or single span bridge
- D. All model bridges must not be painted.
- E. **Bridges may be constructed out the following items only: Wooden craft sticks i.e.(popsicle sticks or tongue depressors), cotton butcher's twine, wooden dowels up to 3/16 inch in diameter, white school glue or carpenter's yellow wood glue. No other glues or materials should be used.**

Bridges must be able to support a weight of 125 pounds( approx 27 paver bricks that weigh 4 & ½ pounds each).

A photo of the bridge must be attached showing the bridge supporting the weight of 125 pounds. Judges may use a 25 pound weight to retest your bridge.

Judges, volunteers and extension staff are not liable to damage that may occur to your bridge during additional weight test or other events associated with the county fair.

- I. A Junior Exhibitor is a member who is under 12 on Jan. 1.
- J. A Senior Exhibitor is a member who is over 12 on Jan. 1. An exhibit will consist of one model built in this project.
- K. **Premiums in the Model Bridge Builders Section are pay level 5.**

**\* FOLLOWING CLASSES ARE NOT ELIGIBLE FOR STATE FAIR CONSIDERATION\***

- Class 901\* Junior Exhibitor Unit I**
- Class 902\* Senior Exhibitor Unit I**
- Class 903\* Junior Exhibitor Unit II**
- Class 904\* Senior Exhibitor Unit II**
- Class 905\* Junior Exhibitor Unit III**
- Class 906\* Senior Exhibitor Unit III**
- Class 907\* Junior Exhibitor Unit IV**
- Class 908\* Senior Exhibitor Unit IV**
- Class 909\* Junior Exhibitor Unit V**
- Class 910\* Senior Exhibitor Unit V**