

about 4-H history go to http://www.4-hhistorypreservation.com/History_Map/ For a step by step video on nominating a point, please go to this link: <http://tinyurl.com/nominate4h>. Write a brief description of historical significance of 4-H place or person. (a minimum of one paragraph)

- CLASS 10 Careers Interview** – Interview someone who is working in a geospatial field and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be three to five pages, double-spaced, 12-point font, and 1" margins. Multimedia reports should be between three and five minutes in length.

POWER OF WIND

POWER OF WIND RULES

- GENERAL RULES** – See GENERAL RULES – SCIENCE, ENGINEERING & TECHNOLOGY
- TOP EXHIBIT** – A top exhibit will be selected from those exhibits receiving purple ribbons in the Power of Wind division.
- MANUALS** – Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.

DEPARTMENT H PREMIUM	Purple \$2.50	DIVISION 900 Blue \$2.00	Red \$1.50	POWER OF WIND White \$1.00
CLASS 1	Engineering Notebook – Your engineering notebook may include sketches of designs, notes of engineering questions you have, or answers to questions posed within the project manual, pictures as your complete exercises within this project, or big ideas you have while participating in this project. The notebook submitted in this class should be a working engineering notebook, NOT a scrapbook. Please include your name, county, and age on the front cover.			
CLASS 2	Wind Poster – Poster should exemplify one of the lessons learned in the <i>Power of Wind</i> project. Posters can be any size up to 14" x 22".			
CLASS 3	Mini Turbine Blade Energy Display – Develop a pinwheel display that demonstrates the working power of wind. Follow guidelines on pages 18 and 19 of the project manual. Display should include a notebook description of the effectiveness of at least three different designs or materials. Please do not include pennies with your display.			
CLASS 4	Wind Art or Literature Written Piece – Item should illustrate or represent wind turbines, wind power, or something from the power of wind curriculum (example: a pinwheel or item may be original story or poem written by the exhibitor about wind).			
CLASS 5	Wind as Energy Display – Items should be the original design of the 4-H exhibitor. Include the item, or a picture if the item is in excess of 6' tall or 2' x2'. Include a notebook of why the item was designed and how it harnesses the power of the wind.			
CLASS 6	Careers Interview – Interview someone who is working in the field of wind and research that career. Interviews can either be written or in a multimedia format (CD/DVD). Written interviews should be in a notebook. Written reports should be three to five pages, double-spaced, 12-point font, and 1" margins. Multimedia reports should be between three and five minutes in length.			

WOODWORKING

WOODWORKING RULES

- GENERAL RULES** – See GENERAL RULES – SCIENCE, ENGINEERING & TECHNOLOGY
- ENTRY LIMITS** – 4-H members are allowed entries in only ONE UNIT of competition. 4-H members may only enter ONE EXHIBIT per class.
- EXHIBIT REQUIREMENTS** – ALL articles exhibited **MUST** include a plan stating dimensions and other critical instructions a builder would need to know to construct the project. Plans may include narrative instructions in addition to the dimension drawings. Part of the score depends on how well the project matches the plans. If plans are modified, the changes from the original need to be noted on the plans. All plans used for making the article must be securely attached to the project in a clear plastic cover. Any exhibits not having the required information will be lowered a ribbon placing.
- RECYCLED WOODWORKING DISPLAY** - Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to develop the woodworking plan.
 - Engineering Design Process
 - 1) State the problem (Why did you need this item?)
 - 2) Generate possible solutions (How have others solved the problem? What other alternatives or designs were considered?)
 - 3) Select a solution (How does your solution compare on the basis of cost, availability, and functionality?)
 - 4) Build the item (What was your woodworking plan, and what processes did you use to build your item?)
 - 5) Reason for article finish (What type of finish? How did you finish? Why did you choose this finish?)
 - 6) Evaluate (How does your item solve the original need?)
 - 7) Present results (How would you do this better next time?)
- TOP EXHIBIT** – A top exhibit will be selected from those exhibits receiving purple ribbons in the woodworking division.
- MANUALS** – Printed materials are available from the Johnson County Extension Office for all currently enrolled 4-H members in Johnson County.

DEPARTMENT H PREMIUM	Purple \$2.50	DIVISION 911 Blue \$2.00	Red \$1.50	WOODWORKING White \$1.00
WOODWORKING – UNIT 1				
CLASS 910	Woodworking Article – Items made using skills learned in the <i>Measuring Up</i> manual (examples include: recipe holder, stilts, or other skill appropriate item). Items MUST be entered with construction plans (see above).			
CLASS 920	Woodworking Display – Display exemplifying one of the principles learned in the <i>Measuring Up</i> project.			
CLASS 930	Recycled Woodworking Article - Article made from recycled, reclaimed or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques learned in the <i>Measuring Up</i> project. Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to develop the woodworking plan.			
CLASS 940	Other Item – Other item displaying the knowledge gained in this project.			
WOODWORKING – UNIT 2				
CLASS 950	Woodworking Article – Items made using skills learned in the <i>Making the Cut</i> manual (examples include: birdhouse, footstool, napkin or letter holder, or other skill appropriate item). Items MUST be entered with construction plans (see above).			
CLASS 960	Woodworking Display – Display exemplifying one of the principles learned in the <i>Making the Cut</i> project.			
CLASS 970	Recycled Woodworking Article - Article made from recycled, reclaimed or composite wood. Article must be sanded and sealed and utilize one or more woodworking techniques learned in the <i>Making the Cut</i> project. Exhibit must include the woodworking plan and a minimum one-page report of how the engineering design process was used to develop the woodworking plan.			
CLASS 980	Other Item – Other item displaying the knowledge gained in this project.			

WOODWORKING – UNIT 3