4-H STEM EDUCATIONAL EXHIBITS –
POSTERS, NOTEBOOKS AND DISPLAY BOARDS

Purpose: To allow 4-Hers to explore STEM outside the bounds of traditional projects for rockets, robotics, astronomy, computers and unmanned aerial systems. All posters, notebooks and display boards are listed in this section and have been removed from the individual sections to save space.

1. The General Exhibit rules for ALL categories apply.
2. For notebooks, display boards, and posters, no additional exhibit information is required; no manila envelope is needed for these exhibits.
3. Exhibits in posters, notebooks and display boards must contain substantial supporting educational materials.
4. Educational display boards, posters and notebooks should be creative and showcase details about the knowledge learned in the project during the current 4-H year. Value is placed on youth who can demonstrate how their skills have increased while completing the project. Each exhibit will be judged on uniqueness, creativity, neatness, accuracy of material, knowledge gained, and content. An exhibit judging score sheet will be available at www.kansasSTEM.com. For example, a rocket that may have crashed and/or is highly damaged may be made into an educational display or poster that tells a great story with many lessons learned.
5. Follow copyright laws, citing all sources of information in a standard notation. Sources of information must be cited on the front of your exhibit, including all posters and educational display boards.
6. Educational displays are not to exceed a standard commercial 3’x 4’ tri-fold display board. Care should be taken to use durable materials that will withstand Cowley County Fair conditions.
7. “Construction Kits” that are part of Educational displays must be contained in cases (tackle boxes, sealable containers, etc.) that may not be larger than 1’ X 2’ X 2’ and must have a latch which securely keeps all components contained in the “Construction Kits”. Other components are to adhere to appropriate dimensions as stated elsewhere.
8. Educational Project notebooks must be organized in a 3-ring binder.
9. Any three dimensional display exhibits may not be thicker than 1”.
10. Engines and igniters for rockets ARE NOT permitted with the exhibit and constitute an immediate disqualification. This is for safety reasons and includes both spent and live engines.
11. Exhibitor’s name, county or district, age, and year(s) in project must be tagged or labeled in a prominent location on the notebook, and/or “Construction Kit,.” For education displays and/or posters the exhibitor’s name, county, or district, age, and year(s) in project must be tagged or labeled on the back of the exhibit. Exhibit cards are not sufficient as they may be removed or repositioned for display. Failure to label an exhibit may result in one ribbon placing deduction.
12. Exhibits should possess the following qualities (in no particular order):
   • A Central theme
   • What you want others to learn
   • Be designed and constructed in a manner befitting the exhibit
   • Be something you are interested in
   • Be related to Astronomy, Computer systems, Robotics, Rocketry, or Unmanned Aerial Systems
   • As well as those characteristics described above.
13. If a safety violation is noted by the judges, superintendent, or other staff, the exhibitor’s exhibit, at the judges discretion, will receive a participation ribbon.

**Astronomy - Junior and Intermediate Division – 7-13 years old**
- **Class 5731** - Junior Astronomy Educational Display
- **Class 5732** - Junior Astronomy Educational Notebook
- **Class 5733** - Junior Astronomy Educational Poster

**Astronomy- Senior Division – 14 years and older**
- **Class 5736** - Senior Astronomy Educational Display
- **Class 5737** - Senior Astronomy Educational Notebook
- **Class 5738** - Senior Astronomy Educational Poster

**Rocketry Intermediate Division 9-13 years old**
- **Class 5741** - Rocketry Educational Display
- **Class 5742** - Rocketry Notebook
- **Class 5743** - Rocketry Poster Board

**Rocketery Senior Division - 14 years and older**
- **Class 5746** - Rocketry Educational Display
- **Class 5747** - Rocketry Notebook
- **Class 5748** - Rocketry Poster Board

**Robotics Junior Division 7-8 years old**
- **Class 5751** - Robotics Educational Display
- **Class 5752** - Robotics Educational Notebook
- **Class 5753** - Robotics Educational Poster

**Robotics Intermediate Division - 9-13 years old**
- **Class 5756** - Robotics Educational Display
- **Class 5757** - Robotics Educational Notebook
- **Class 5758** - Robotics Educational Poster

**Robotics Senior Division - 14 years and older**
- **Class 5761** - Robotics Educational Display
- **Class 5762** - Robotics Educational Notebook
- **Class 5763** - Robotics Educational Poster

**Robotics Team Robotics Project**
- **Class 5766** - Team Robotics Educational Display
- **Class 5767** - Team Robotics Educational Notebook
- **Class 5768** - Team Robotics Educational Poster

**Computers - Intermediate and Junior Division – 7-13 years old**
- **Class 5771** - Junior Computer Educational Poster
- **Class 5772** - Junior Computer Display Board
- **Class 5773** - Junior Computer Notebook

**Computers - Senior Division – 14 years and older**
- **Class 5776** - Senior Computer Educational Poster
- **Class 5777** - Senior Computer Display Board
- **Class 5778** - Senior Computer Notebook
Unmanned Aerial Systems - Intermediate and Junior Division – 7-13 years old
Class 5781 - Junior Unmanned Aerial Systems Educational Poster
Class 5782 - Junior Unmanned Aerial Systems Display Board
Class 5783 - Junior Unmanned Aerial Systems Notebook

Unmanned Aerial Systems - Senior Division – 14 years and older
Class 5786 - Senior Unmanned Aerial Systems Educational Poster
Class 5787 - Senior Unmanned Aerial Systems Display Board
Class 5788 - Senior Unmanned Aerial Systems Notebook

SPACE TECH PREMIUMS
Champion Ribbon
Reserve Champion Ribbon
Purple/Blue $2.00
Red $1.50
White $1.00

SPECIAL AWARDS
Cowley County 4-H Council will sponsor awards for each Champion and Reserve Champion. Funding for these awards is generated by proceeds from the 4-H Food Sale and Auction.