

Section J – STEM (Science, Technology, Engineering & Mathematics)

General Information – Pertains to JA through JF

- Articles in this section must be made and selected according to standards from project curriculum, State 4-H Club Management and Volunteer Leader Handbook plus CCE Risk Management Guidelines.
- Articles in this section must have been made and selected during the current project year.
- If power tools are used by youth in making projects, youth must be 12 years or older.
- Up to two articles per class per member may be entered (Sections JA, JB and JC, Classes 1 and 2)
- For construction project, with manufactured components see Section JC

Section JD – GEOSPATIAL SCIENCE

Exhibits that show skills and knowledge learned through 4-H GPS and GIS projects.

GIS maps: Maps made using ESRI (Environmental Systems Research Institute, Inc.) Arc GIS software or other mapping software. Criteria and Guidelines for Community Mapping Projects can be found on NYS 4-H web page. GIS map exhibits may be selected for display competition sponsored by NIFA and National Geographic Society.

Class No.

- 1. GIS or GPS Project or activity:** may be undertaken by individual or group. Exhibit may be in form of project record book, photo documentation, video, CD, DVD, etc... Exhibit must include project report documenting statements of purpose and outcome of project activity.
- 2. Story or Outline of a 4-H GIS or GPS Project:** including photos, purpose of activity and summary of results.
- 3. Community Service/Youth Community Action Mapping Project:** a mapping or GPS project built around a specific community issue or project.
- 4. Educational Poster Exhibit** displaying 4-H GPS or GIS activities.
- 5. Public Presentation** on 4-H and Geospatial Sciences.