SECTION 4305 SCIENCE DISCOVERY PROJECTS

- The goal of this project and exhibit is to allow 4-H members to:
  - Use the scientific method to gain an understanding of how things work and the variables that affect them.
  - Take an open and creative approach to problem solving.
  - Learn that a successful outcome is based not on personal opinion but on scientific fact.
  - Improve written and visual communication skills
- 4-H members are encouraged to use their 4-H projects as the basis for their scientific research and discovery project. Exhibits should relate to one of the following topics:
  - Behavioral and Social Sciences
  - Biochemistry, Medicine, and Health Sciences
  - Botany and Zoological Sciences
  - Computer Science
  - Earth and Space Sciences
  - Engineering
  - Environmental Sciences
  - Mathematics
  - Physical Sciences

A few resources for finding project ideas are:
The WWW Virtual Library: Science Fairs - http://physics.usc.edu/~gould/ScienceFairs/
Information about Oklahoma Science Fairs - https://ossef.zfairs.com/

- Displays must be free standing and are limited to 3' x 4' (height x width) when sides are extended. Commercially available "Science Fair Presentation Boards" are encouraged. Counties may enter one exhibit in each class. First place exhibits in each class will be displayed. Second place and sub-sequential exhibits may be displayed based upon space available and judges'/committees' discretion.
- Displays without reports will be judged accordingly. Displays with reports will be placed above those missing reports.
- **Awards**: Ribbons will be placed to top 10 in each class.
- Beginning Division **(Grades 3-5)** - A display illustrating the project.

1. Intermediate Division **(Grades 6-8)** - A display with an accompanying report of approximately two (2) typewritten pages.
2. Advanced Division **(Grades 9-12)** - A display and a written report about the project that includes an interview with a scientist, science teacher or someone who is knowledgeable about the area that is being studied (Example: a beekeeper could help with bee projects.) Reports should be three (3) to five (5) pages in length.
3. Team Exhibit **(All Grades)** – Team may include a maximum of three (3) members. - A display and a written report about the project. It is recommended that it include an interview with a scientist, science teacher or someone who is knowledgeable about the area that is being studied (Example: an engineer could help with engineering projects.) Reports should be three (3) to five (5) pages in length.