4-H Weather Project Guidelines

Year 1:
- Explore the different weather phenomena
  - Weather phenomena are clouds, rain, hail, tornados, thunderstorms, lightening, wind, hurricane, floods, snow, ice and freezing rain.
- Develop a neat & creative display/report that shows a members basic understanding or of the weather phenomena.

Year 2:
- Weather Safety
  - Preparation / kits / escape route (plans)
  - First Aid / CPR training

Year 3:
- Sky Warn Training (severe weather spotters training)
- Ham Radio License
- Learning how to read Doppler Radar and other maps.

Year 4:
- Meteorological Field Exploration
  - Keep a journal of the different meteorological career fields that you explore.
    - National Weather Service, Television & Radio broadcast, Private firms, Aviation, etc.

Year 5:
- Map Analysis & forecasting
  - Learn to read and analyze different maps used in forecasting and evaluating the weather.
    - Screw-T, Upper Level Maps and Surface Maps

Years 6-11:
- In-depth reports on selected topics:
  - Tropical Meteorology
  - Aviation Meteorology
  - Snow: “Lake-Effect”
  - Snow: “Mountain”
  - Thunder & Lightening
  - Tornadoes
  - Micro/Macroburst
  - Wind (Circulation)
  - Hurricanes