

Eye on the Sky

Hiller Aviation Museum

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1. Weather and Aviation
 - a. VFR Flight: Pilots must see and avoid other aircraft and terrain
 - b. IFR Flight: Potential for hazards such as icing and wind shear
 - c. Contributes to 70% of commercial flight delays
 - d. Contributes to 30% of commercial flight accidents
2. Water Cycle Bracelet
 - a. The Sun (yellow bead)
 - b. Evaporation (clear bead)
 - c. Condensation (white bead)
 - d. Precipitation (translucent blue bead)
 - e. Accumulation (dark blue bead)
3. Cloud Identification/Cloud Cards
 - a. Low Clouds: Stratus
 - b. Middle Clouds: Alto
 - c. High Clouds: Cirrus
 - d. Growing (Vertically Developed) Clouds: Cumulus
 - e. Thunderstorm Cloud: Cumulonimbus
4. Thunderstorms and Aviation Weather Hazards
 - a. Cumulus Cloud Formation
 - b. Turbulence
 - c. Lightning
 - d. Tornadoes
5. Resources
 - a. Water Cycle Bracelets
 - i. Pony Beads: Pony Beads & More <http://www.ponybeadstore.com/> (all colors, less than \$2.50 per 500)
 - ii. Pipecleaners: Dick Blick <http://www.dickblick.com/> (all colors, \$1.15 per 100)
 - b. Lightning Generator (Plasma Ball): Steve Spangler Science <http://www.stevespanglerscience.com/>, \$15.99
 - c. Tornado Tubes: Steve Spangler Science <http://www.stevespanglerscience.com/>, \$34.99 per 100