

Sponsoring Organization

Airport Location

April 8, 2019

Program



OVERVIEW

The flight rally initiative is an effort to introduce youth to the world of aviation at multiple locations around the state of Iowa. The program is designed as a template that can be adopted by Sponsoring Chapters.

We expect over 40 enrollees who will be divided into four groups and they will rotate through three modules of activities each with a leader. EAA Chapter member pilots (if available) will give each camper a Young Eagle Flight and leaders of the various modules will be drawn from pilots and flight instructors. Each module will take about 40 minutes and the kids will be taken to the location of the next module.

SCHEDULE OF ACTIVITIES

8:15 - 8:45 AM: Registration in (location of registration) for all kids.

Complete Young Eagles Registration form, assign the 40-50 kids to FOUR groups of 10-12 each.

Group 1 (RED) Group 2 (YELLOW) Group 3 (GREEN) Group 4 (BLUE)

MODULE	9:00 - 9:40	9:40 - 10:20	10:20 - 11:00	11:00 - 11:40
Airplanes, Instruments, and Aerodynamics (location of activity) Around C-172 or other A/C	Group 1 RED	Group 2 YELLOW	Group 3 GREEN	Group 4 BLUE
Learning about the Airport and Traffic Pattern (location of activity)	Group 4 BLUE	Group 1 RED	Group 2 YELLOW	Group 3 GREEN
Weight and Balance, Flight Planning, and Weather (location of activity)	Group 3 GREEN	Group 4 BLUE	Group 1 RED	Group 2 YELLOW
Young Eagle Flights (location of activity)	Group 2 YELLOW	Group 3 GREEN	Group 4 BLUE	Group 1 RED

**11:45 Pizza Luncheon and Presentation of Certificates and T-shirts
in (location of activity)**



Module Details

- **Airplanes, instruments, and aerodynamics**
It is recommended a flight instructor or experienced pilot lead this session. Reference AOPA PATH Modules 2, 3, and 4, as well as the AOPA “Airplanes” handout to provide to each child. Sit a high wing and a low wing aircraft side by side in a hangar or on a ramp to conduct walk around inspection.
- **Learning about the airport facility and traffic pattern**
Provide a tour and explanations of the airport facility. Include the runway and taxiways, colors of markings and lighting systems, pilot controlled lighting (use a radio to show how PCL works), AWOS and other weather reporting, NAVAID’s, airport/FBO terminal and how tower/unicom communications work, maintenance facility, storage hangars (show a variety of aircraft). Discuss the language of aviation from AOPA PATH Module 1 and the traffic pattern from Module 9. Provide each student with chalk to draw their own runway and traffic pattern on the ramp.
- **Young Eagle Rides**
Chapter member YE pilots provide Young Eagle flights. Review FAA “Careers in Aviation and Space”. Provide a review of panel instruments from AOPA PATH Module 6.
- **Flight planning and weather**
This would be more of a classroom style session. Cover weight and balance, flight planning, and weather from AOPA PATH Modules 5, 7, and 8. WAC scale charts of the state of Iowa may be used.
- **Airplane Wing Construction**
Learn the intricacies of a fabricated wing by building a Wing Rib.
- **Aeromodeling**
Build and fly a simple balsa wood glider. Build and fly a rubber band powered model.
- **Personal Computer Flight Simulator Stations**
Iowa State University extension has several PC based flight simulators available to loan to organizations wishing to include flight simulations in a rally. Guide to this activity is AOPA PATH Module 10.

SPONSORS

Please thank your sponsors, _____ ,
the Iowa Aviation Promotion Group, and the Iowa DOT Office of Aviation.

Reviewed 4/5/2019