

## Information for Aviation Merit Badge

EAA Chapter 162 is happy to assist your scout with helpful information to attain his Boy Scout Aviation Merit Badge. Your Scout Master can provide copies of the merit badge application. EAA Chapter 162 does not have any copies of the merit badge applications nor badges. Your Scout Master will provide the necessary help in obtaining the badges after the workshop is complete.

As part of the Aviation Merit Badge, the Boy Scout will receive a Young Eagles flight. A parent or legal guardian (not the Scout Master) needs to sign a Young Eagles Registration form prior to the flight taking place. If a parent or legal guardian is not able to attend with the Scout, they may request a registration form to be mailed to them prior to the event. The form must be an original from the Experimental Aviation Association. Photo copies and faxes are not accepted by our national Young Eagles office at headquarters for the Experimental Aviation Association.

The event and presentation begins at 8:30 am and last to 12:30 pm. Pilots will have a briefing at 8:30 am. Flights will begin at 9:00 am.

Prior to coming to the Aviation Merit Badge workshop, the Scout will need to gather all the necessary paperwork (workbook and merit badge application) for the workshop. Download and print out a copy of the workbook prior to attending the event.

EAA Chapter 162 Chapter members will present a workshop with the information needed to complete the Aviation Merit Badge beginning at 8:30 am and ending about noon. The merit badge application will be signed by the Aviation Merit Badge Councilor following the event. Return the completed workbook and merit badge application to your Scout Master after completion.

Items Covered at as part of the Aviation Merit Badge include the following:

1. In the workbook (available online) you will have to do the following:
  - a. Define aircraft and kinds of aircraft
  - b. Explain the Forces of Flight
  - c. Recognize part of an airplane, including airfoils, control surfaces and propellers
  - d. Explain how control surfaces are used for takeoff, climb, turn, descent and landing
  - e. Review Pilot certificates and ratings
  - f. Review the instruments in an aircraft
2. Review the Career Opportunities in aviation.  
Click here for the handout for Aviation Careers.

Boy Scout Aviation Badge Councilor

An Aviation Merit Badge Councilor will be available at most Young Eagle Events at noon, to assess and sign off your Scout's workbook. Please contact John at [clearedasfiled@att.net](mailto:clearedasfiled@att.net) to confirm your group will come to the event, and ask questions. We may be able to provide a

speaker at your weekly scout meeting to give the ground school portion of the merit badge, including making the FPG-9 glider to demonstrate flight control characteristics.

For directions to the Smyrna airport and to the Terminal Building see [www.smyrnaairport.com](http://www.smyrnaairport.com)

If your troupe is interested in participating in a Young Eagle's flight/Aviation Merit Badge, or if you have any questions email John at [clearedasfiled@att.net](mailto:clearedasfiled@att.net).

#### FOR PARENTS:

Courtesy and Safety make this a fun event.

Your troupe will get a turn. Your patience will help all involved.

Flights are assigned as your scout registers.

Young Eagles must be between the ages of 8 and 17.

Adults and children under the age of 8 may fly along with a Young Eagle as long as there is no other Young Eagles waiting for flights.

Flights may be canceled at any time due to weather conditions (thunderstorms, high winds, etc.) or lack of airplanes.

Safety is our major concern, please watch your scouts and keep them out of the ramp area all all times unless accompanied by a pilot for a flight.

Please do not touch the aircraft without the pilot's permission

What is the Young Eagles program about?

Have you ever wondered what it's like to fly? Young Eagles don't have to imagine what flying is like. Each Young Eagle will become part of a special group of people who have shared in a common experience - the thrill of flying! You will have the chance to actually fly in an airplane and look at the world below you. You are invited to take to the skies and become a Young Eagle.

What do I have to do to become a Young Eagle?

You must be between age 8 and 17 years old, and have a parent or guardian complete the registration form. Come with a parent or guardian to an event or when you visit with the pilot. Parents or guardian must sign both sides of an original Young Eagle Registration form. Sorry, we cannot provide downloadable or xerox copies anymore (due to new EAA rules).

Your pilot will take you on a pre-flight briefing of the plane and then take you for a 20-30 minute flight. Upon your return, you will receive a Young Eagles certificate signed by the pilot.

You can ask your volunteer pilot as many questions as you like. In doing so, you'll learn more about airplanes and the principles of flight. That's all there is to it. It's really that simple!

For more information on the Young Eagles program visit the Young Eagles National Web site at [www.youngeagles.org](http://www.youngeagles.org)

For Pilots

You may download the Pilot Guidelines from the Young Eagles National Web site at:  
[www.youneagles.org](http://www.youneagles.org)