

2023 CLASS SCHEDULE

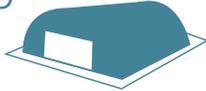
WEEK ONE PREFLIGHT

WEDNESDAY, APRIL 12
6:00pm - 7:30pm



WEEK TWO BUILD YOUR OWN FPG-9

WEDNESDAY, APRIL 19
6:00pm - 7:30pm



WEEK THREE AERODYNAMICS

WEDNESDAY, APRIL 26
6:00pm - 7:30pm



WEEK FOUR INTRO TO CAREERS IN AVIATION

WEDNESDAY, MAY 3
6:00pm - 7:30pm



WEEK FIVE AIRPORT OPERATIONS

WEDNESDAY, MAY 10
6:00pm - 7:30pm



WEEK SIX AVIATION FUNS & GAMES

WEDNESDAY, MAY 17
6:00pm - 7:30pm



WHAT IS THE AIR ACADEMY?

Poplar Grove Vintage Wings & Wheels

Museum believes that all learners who have an interest in aviation should have the opportunity to expand their knowledge and gain experience through programs and hands-on training.

The Air Academy offers **middle schoolers** the opportunity to learn about aviation basics, work with trained aviation professionals, and develop skills to advance them in their aviation journey.

This six session course starts at the ground level with preflight instructions and teaches them that the sky is the limit when it comes to careers in aviation.

SIGN UP TODAY

Sign up your child today at
<https://bit.ly/2023airacademy>

Or, call **815.547.3115**

A donation of \$25 is encouraged to help support the program, but is not required.

SCAN ME



**A SIX WEEK COURSE
WHERE AVIATION
ADVENTURERS CAN
EARN THEIR WINGS.**

CLASSES BEGIN APRIL 12, 2023

Brought to you by,



Vintage
WINGS & WHEELS
Museum

5151 ORTH RD.
POPLAR GROVE, IL 61065
815.547.3115

WEEK ONE PREFLIGHT



In this lesson, participants will learn the importance of a thorough pre-flight inspection of an aircraft before every flight. Participants will take part in a preflight check on an actual aircraft under the direction of an experienced pilot. Concepts such as the importance of following procedures, taking responsibility, and ensuring the safety of self and others will be emphasized.

WEEK TWO BUILD YOUR OWN FPG-9

Participants will build and fly their own FPG-9 to discover basic aerodynamic principles and about aircraft weight and balance. They will learn about the basic functions of the different flight control surfaces by controlling their own aircraft's flight. A working aircraft built by members of our restoration team will be used for follow-up discussions.



WEEK THREE AERODYNAMICS

In this session, participants will learn about the forces that act on an airplane in flight, and the functions of the primary control surfaces of an airplane. They will explore Bernoulli's principle and aerodynamic forces in flight through demonstration on an actual aircraft, as well as hands-on activities exploring angle-of-attack, lift, drag, thrust and weight/balance.



WEEK FOUR INTRO TO CAREERS IN AVIATION



Career awareness and exploration helps aviation enthusiasts gain an understanding of careers as a pilot, maintenance technician, air traffic controller, and much more. This session will include opportunities to interact with industry professionals and provide experiences that allow participants to learn of the possibilities and their hidden potential in aviation.

WEEK FIVE AIRPORT OPERATIONS



Participants will simulate airport operations and communications by acting as aircraft controlled in flight by an air traffic controller, landing on a "runway". Students will learn how prevailing winds determine the direction of a runway, how runways are numbered and how to read a directional compass.

WEEK SIX AVIATION FUN AND GAMES

Show us what you know! Come celebrate everything you've learned about aviation in a fun filled evening including a game, pizza, and a prize.



Let your learning take flight.

