

# Air Academy

July 7-12 2025

A week-long course where aviation adventurers can earn their wings at Wings & Wheels Museum!

## Air Academy is BACK in 2025- Registration is OPEN!

We are working with a local educator and a group of amazing volunteers to bring a popular educational program! 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.

Drop us a line if you'd like to help with this fun and rewarding program! In order for this program to be accessible to all, we are seeking donations of \$35 to sponsor a child to participate!

### Course Schedule



Day  
01

9a-11a

#### Preflight

In this lesson, 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.

Day  
04

9a-11a

#### 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 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.

Day  
02

9a-11a

#### Build Your Own FPG-9

With this hands-on activity, participants will 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.

Day  
05

9a-11a

#### Airport Operations

Participants will simulate 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.

Day  
03

9a-11a

#### 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 the many principles of aerodynamic forces in flight through demonstration on an actual aircraft as well as other hands-on activities.

Day  
06

11a-1p

#### Aviation Family Fun and Games

Show us what you know! Invite your grownups to celebrate everything you've learned about aviation in a fun filled day. Wear your Air Academy Graduate tee shirt, and enjoy games, pizza, and a prize for each participant!

## Register

Registration is open to any middle-school aged child! Attend all 6 sessions for a one-time fee of just \$35.



Scan the QR Code or reach out to us using the contact information provided below!

If the fee poses a barrier for your children to participate, don't hesitate to inquire about financial aid and scholarship opportunities!

**\$35 fee includes a tee shirt, and a FUN family pizza party on Saturday!**

## Contact Us



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