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AEROSPACE PROJECT

Sheboygan County 4-H

PLACES TO GO

- Aviation Heritage Center of Wisconsin
- EAA Airventure Museum
- Become a member of the Wisconsin Aviation Heritage Hall of Fame
- Visit a Planetarium
- Check out a tour with your local meteorologist

WHAT TO MAKE

- Make a poster on parts of an airplane or a rocket and their function
- Create a display on different types of aircraft and what they are used for
- Make a poster about the forces that act on an airplane or a rocket
- Chart the moon and make a display about how the moon affects the earth
- Engineer a model glider and create a display of your engineering process and outcomes
- Make a poster about constellations and when you can see them
- Exhibit a model rocket
- Demonstrate how weather affects flying
- Create a display comparing birds and airplanes
- Create a typical pilots log and explain why it's important
- Demonstrate different types of aerodynamics on kite flying
- Design and build a kite
- Make a model cockpit of an airplane
- Design, make and display your own paper airplanes
- Research hot air balloons and how they work

CHECK OUT THE
AEROSPACE PROJECT VIDEO :



[https://youtu.be/
C68IZKYC8nA](https://youtu.be/C68IZKYC8nA)

WAYS TO VOLUNTEER

- Help clean-up your local airport
- Volunteer for a Young Eagles club
- Give others tips to fly smoothly and get through security in airports



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ENTER SOMETHING IN THE FAIR!

Department 24 – Mechanical Sciences

CLASS C - AEROSPACE Lot Nos. 15-19

Description:

15. Poster on basic parts of an airplane
16. Exhibit related to aerospace
17. Exhibit related to airplane or airplane pilots
18. Exhibit related to meteorology
19. Poster explaining real life experience of aerospace



LOCAL CONNECTIONS

[Aviation Heritage Center of Wisconsin](#)

[EAA Airventure Museum](#)

[Barlow Planetarium](#)

SOMETHING TO THINK ABOUT

- How can building or looking at a model of something help us learn more about the real thing?
- What skills do you need to work on if you want a job like this?
- Where do you see airfoils in everyday life?
- There is a saying, "If you can read a map, you can go anywhere!" What does it mean?
- What tips can you offer others for quickly getting information you need on just about any topic even when the amount seems overwhelming?
- In what other areas of your life do you experiment and make adjustments to solve problems?

WI 4-H AND STATEWIDE RESOURCES

...to the Aerospace/Aviation Project can be found at

<https://fyi.uwex.edu/wi4hprojects/stem-science-technology-engineering-math/aerospace/>

Wisconsin 4-H Offers 4-H Members to opportunity to travel to Huntsville, AL to participate in the Pathfinders Program check it out at: <https://fyi.uwex.edu/wi4hedopp/space-camp/>

Learn more about Sheboygan County 4-H at <https://sheboygan.uwex.edu/4-h-youth-development/> or by calling the Sheboygan County 4-H office at 920-459-5903