

# Aerospace Badge Requirements

Check with your local council to confirm that these requirements have not changed! **To earn the badge you must complete six (6) requirements.**

## Requirement #1

Put together a simple model glider or make your own out of balsa wood. See if you can make your glider fly straight, stall, loop, bank right, bank left.

## Requirement #2

Invite someone who works in or with the aerospace industry to talk to your troop about her work experiences. Ask what she thinks about the future of aerospace.

*or*

Talk to some older people in your community about what it was like to fly before 1950. You might ask about: early aircraft, barnstorming, dirigibles, coast-to-coast travel, Amelia Earhart, a Powder Puff derby, and military flying during the two World Wars. Share what you find with others.

## Requirement #3

Watch a space launch in person or on television. Keep a record of your observations including: date and place of launch, country and origin of space vehicle or satellite, kind of space vehicle or satellite, purpose of the mission, and whether it was successful, something new you have learned, and conditions that could affect the launch.

## Requirement #4

Visit an airport, an airplane cockpit, a control tower, a space center, an aerospace museum, or a planetarium, or see an air show. Make a list of at least four new things you learned.

## Requirement #5

Make and fly your own kite. Experiment with it to find out which winds are best and how to make the kite fly better. You could also learn about kites from different countries and their uses.

## **Requirement #6**

Put on an air show and invite other groups to participate. See badge handbook for details.

*or*

Attend a motorized model airplane show. How much time and money does it take to build a plane? Learn how a plane is controlled.

## **Requirement #7**

What is NASA? Write for materials that will help you learn more about the US space program: National Aeronautics and Space Administration Headquarters, Washington, DC 20546.

*or*

Make a list of at least 10 different jobs that are involved in air transportation. Find out more about two of the jobs.

## **Requirement #8**

Find out about the women who have become astronauts. Do a brief biography on one of them to share with others or develop some informative display about women in the astronaut program.

## **Requirement #9**

Astronauts or space colonists must do daily tasks and routines very differently when they are in space. With some friends, think of the many things that you would have to consider when designing a space station. How do people live, eat, sleep, bathe, and work? What do they do for entertainment? Make a drawing or a model of a space station that would meet the needs of residents or create a short play or skit of a typical day in space.

*or*

An important food supply for an astronaut is dehydrated food. Find out about different types of dehydrated food that are available. Plan a menu using dehydrated food for different meals. If possible, try out your menu.

**For more information and activities to satisfy these requirements, visit:**

<http://members.aol.com/gsrgr8/aerospace.html>