

**Colorado 99s'**



# **GIRL SCOUT BADGE DAY**

A Colorado Chapter 99s charity event helping  
Junior Girl Scouts earn Aerospace Badges.



## PAPER AIRPLANES

Scouts build, test fly, and analyze paper airplane(s) using aerodynamics

- .

Required task:  
Make and fly three different designs for paper airplanes.





## GO FLY A KITE

The art of flight can be demonstrated through designing and flying a kite.

Required task:  
Make and fly your own kite.  
What type of wind makes the kite fly best?  
What can you try to make **the** kite better?



## THINK SKY HIGH

It's all about the machines! The girls get up close and personal with the real thing.

Required task: Visit an airport, an airplane cockpit, a control tower, a space center, an aerospace museum, or a planetarium.



SHOOT FOR THE STARS

Why limit ourselves to this atmosphere?! A highlight of this station has been a video of a rabbit in zero gravity conditions.

Required task: Watch a space launch in person, on television, or on the Web. Find out what kind of space vehicle or satellite was launched and why.

OR

Visit NASA's website [www.nasa.gov](http://www.nasa.gov) and find out what missions are underway or planned for the future. Be sure to check out the "NASA Kids" link.





CONTACT!

Pilot since the 1940s, Loretta Bonham (left) spoke to the girls in length about air travel and aviation weather services before 1960.

Required task:  
Talk to some older people in your community about air travel before 1960.



## SPACE FLIGHT SPINOFFS

We know Girl Scout like to camp, so we show them how to use the same food astronaut eat while 'roughing it'.

Required task: The science and technology used in exploring space have many applications here on earth. Find our about one of the following. If possible, try the product or talk to someone who uses it in her life.

- 1) Dehydrate foods
- 2) Infrared thermometer
- 3) Advanced heart pacemaker



## WOMEN FLYING SKY HIGH

In addition to working with 99s in small groups, the event's introduction has included a segment on the Ninety-Nines.

Required task: visit the home page of the Ninety-Nines [www.ninety-nines.org](http://www.ninety-nines.org), and be sure to check out the section on "Women Pilots Today".

## TEST FLIGHT

We have yet to offer this task.

### Required task:


Put together a simple model glider or make your own glider fly straight, stall, loop, bank right, and bank left?



MODELS AWAY!

We have yet to offer this task.

Required task: Attend a radio-controlled or control-line airplane event or a model rocket launch. Find out how much time and money it takes to build a model.





**THANK YOU!**

Please contact Kara Pruitt for more information:  
[karavkpruitt@gmail.com](mailto:karavkpruitt@gmail.com)