

EXPLORE A WORLD OF WONDER
WITH THIS BACKPACK!

Flight

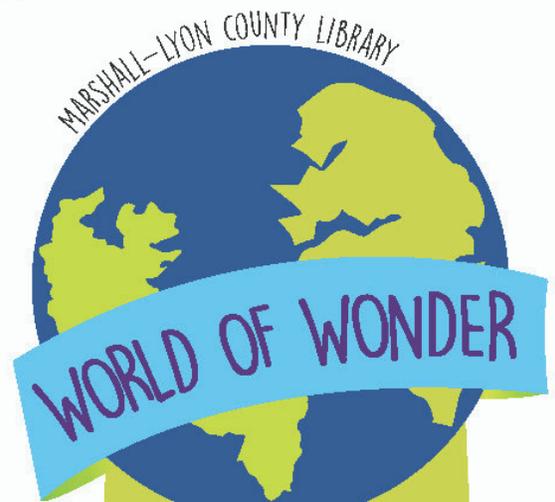
GRADES K-2

BOOKS IN THIS KIT

- How People Learned to Fly | Fran Hodgkins
- Jet Plane: How It Works | David Macaulay
- Rosie Revere, Engineer | Andrea Beaty
- Super Simple Aircraft Projects | Alex Kuskowski
- Wind Flyers | Angela Johnson

MORE BOOKS AT MLCL

- Find Out About Flight | Peter Mellett
JUV NONFIC 629.13 MEL
- Birds: Nature's Magnificent Flying Machines |
Caroline Arnold
JUV NONFIC 598 ARN
- Flight | Von Hardesty
JUV NONFIC 629.1309 HAR
- The Paper Airplane Book | Seymour Simon
JUV NONFIC 745.592 SIM



IDEA

Do you have the right stuff? If you have ever had dreams of being a pilot, designing paper airplanes is one way for you to fly.

GET LOCAL

Fagen Fighters WWII Museum is home to a pristine collection of fully operational, active aircraft and vehicles from World War II. The facility is designed as a self guided experience and is located 4 miles south of Granite Falls on State Road 23.





Hoop Glider

ACTIVITY

Explore the physics of flight with your child while also exploring the design process. These gliders may surprise your child, as they don't look like the paper airplanes they may have played with before.

WHAT YOU NEED

- Thick paper or index card
- Scissors
- Ruler (optional)
- Plastic drinking straw (cut off the bendy part)
- Tape

TRY THIS

1. Cut two strips of paper to make your hoops.
Long strip: 1 inch x 10 inches. Short strip: 1 inch x 5 inches.
If using an index card, cut it into three strips, the long way.
Tape two strips together to make your long strip.
2. Curl each paper strip into a hoop. Use tape to secure.
Now you have two hoops, one bigger than the other.
3. Tape the small hoop to one end of the straw. Tape the big hoop to the other end of the straw.
4. Be sure that the hoops line up!
5. Fly your glider. Hold it in the middle with the small hoop in front. Throw gently like a dart. You'll be surprised how far it can fly after a little practice.

GOING FURTHER

Tinker with the glider design and introduce the word "variable" to your child. Each time you change one thing on your glider (hoop size, hoop shape, length of straw) you're changing one variable.

FIELD NOTEBOOK

Encourage your child to draw a picture or paste in a photo of doing this activity. Write down the movement used and the best record.