



Airplanes

The Airplane

The wings on the airplane
 Fly, fly, fly
 Fly, fly, fly,
 Fly, fly, fly
 The wings on the airplane
 Fly, fly, fly
 All through the sky.

Flying Fast, Flying Slow

Flying fast, flying slow
 Flying high, flying low.
 Swooping & swirling, I glide through the air.
 My special wings take me everywhere!



Crispy Rice Cereal Treat Planes



Ingredients

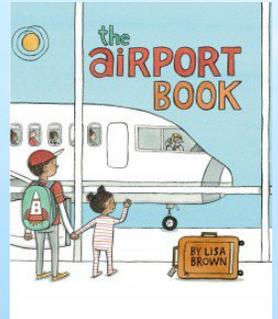
- 1 c. (2 sticks) butter, plus more for pan
- 2 (12-oz.) bags marshmallows
- 1/4 tsp. kosher salt
- 10 c. crispy rice cereal

Directions

- 1) Grease a 9"-x-13" baking pan with butter. In a large pot over medium heat, melt butter. Add marshmallows and salt and stir until completely melted. Continue cooking until marshmallows turn slightly golden, another 5 minutes. Remove from heat and stir in crispy rice cereal.
- 2) Pour into pan and smooth top, being careful not to pack crispy rice cereal into the pan too much. Let cool completely.
- 3) Let your kids shape and mold into airplane and cloud shapes.

Flight Facts:

- ✈ The Wright Brothers, Orville and Wilbur, were American aviation pioneers who created the first successful airplane December 17, 1903 in Kitty Hawk, North Carolina.
- ✈ Charles Lindbergh was the first aviator to make a non-stop transatlantic flight from New York to Paris, which he did in his plane, Spirit of St. Louis, in 1927.
- ✈ Amelia Earhart was the first, female aviator to fly solo across the Atlantic Ocean in 1932



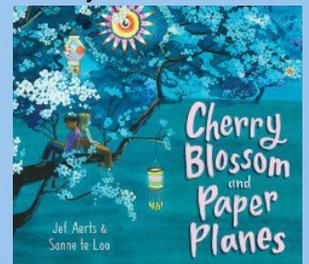
The Airport Book
 by: Lisa Brown



Born to Fly
 by: Steve Sheinkin



All Kinds of Planes
 by: Carl Johanson



Cherry Blossom and Paper Planes
 by: Jef Aerts

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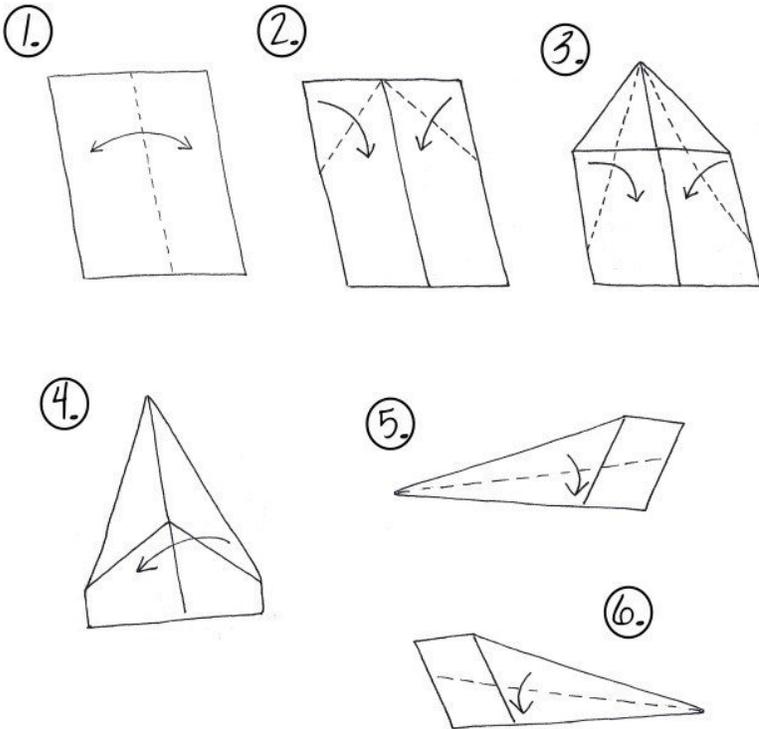
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HOW TO FOLD A PAPER AIRPLANE

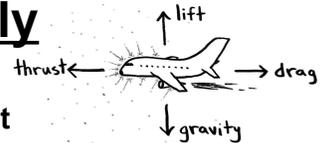
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How Airplanes Fly

www.ct.gov



Thrust, Lift, Drag and Weight

Airplanes fly because they are able to generate a force called **Lift** which normally moves the airplane upward. **Lift** is generated by the forward motion of the airplane through the air. This motion is produced by the **Thrust** of the engine(s).

Drag is the force produced by the resistance of the air to the forward motion of the airplane. Swish your hand rapidly side-to-side and you will feel that resistance on your hand.

Weight is the force created by the pull of gravity toward the center of the earth. You will feel the effect of this force if you jump up from the floor. Your weight will force you back down.

When the **Thrust** produced by the engine(s) is greater than the force of **Drag**, the airplane moves forward. When the forward motion is enough to produce a force of **Lift** that is greater than the **Weight**, the airplane moves upward.

While any part of the airplane can produce **Lift**, the most **Lift** comes from the wings.

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