## print & play Take to the Air!

Reach for the sky with ELF Air! Just like the friends in *Brownie Quest*, you can get a lift with this fun-to-make paper airplane! See next page for instructions.

Did you ever wonder how airplanes fly? Or what exactly keeps them up in the air?

**Gravity** is the force that pulls objects in the air toward the ground. Gravity is balanced by **lift**.

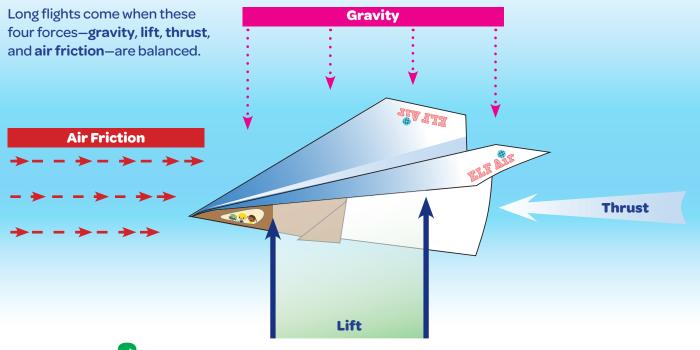
**Lift** comes from the wings of the plane, which helps push the plane into the sky.

Thrust will move the plane forward.

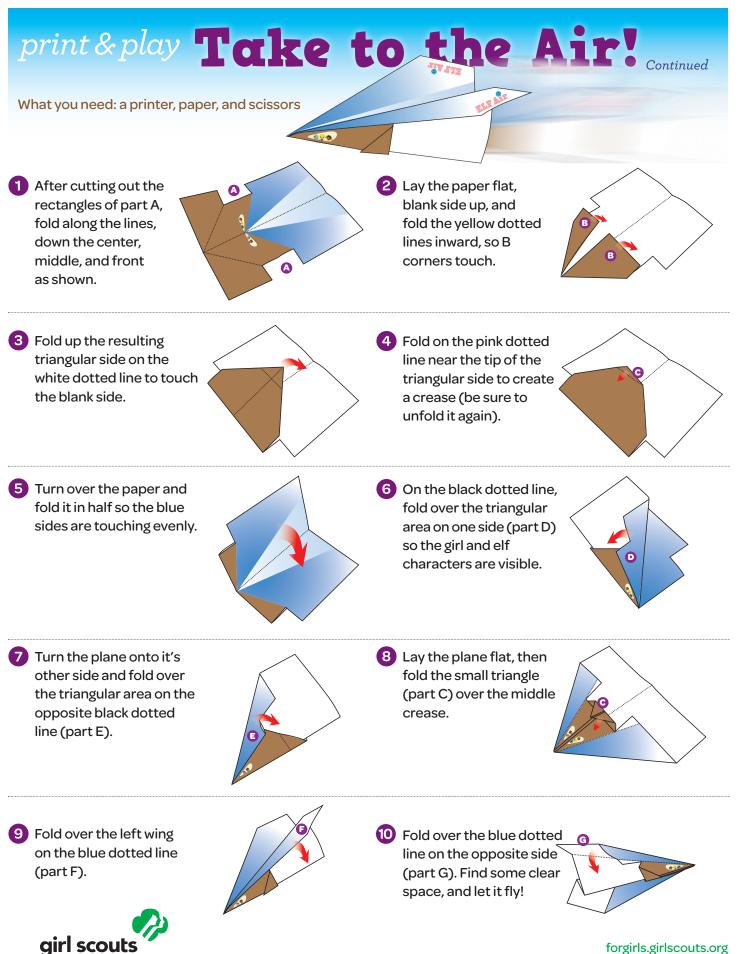
Air friction helps slow down the plane as it glides over the nose and wings.

Keeping these forces balanced will help your paper airplane take to the air—and stay there!

**Tip:** Remember, throwing your plane harder won't always make it fly farther. This plane is shaped like a dart, so it's built to fly a longer distance with just a little bit of **thrust**. Try throwing it a few times to find out the perfect amount of thrust to use to keep it in the air as long as you can!







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