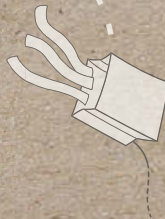


Get Moving with Science

Do It Now &
At Home



1

Do it! Make a paper bag kite

Cut off the bottom of the bag. Decorate the bag. Attach kite tails with tape on one end of the bag—three streamers are just right. Attach a length of string with tape on the opposite open end of the bag. Run like the wind!

What's going on? Even though a kite is heavier than air, wind pushing on it and passing over it can lift it up. The kite rises because when the wind blows, or when you run to create a moving stream of air on your kite, there is less pressure on the top part of the kite, causing it to rise. This is called the Bernoulli effect. You need the string to hold the kite down to make it fly as the wind pushes against it. What happens if you let go of the string?

2

Do it!

Try changing something on your kite and see if it flies differently. Some things to change might be:

Add more streamers. What would that change on your kite?

Close one end of your kite. Does it still fly?

Try making your kite fly without running. Can you get it up in the air?

Can you think of anything else you might change?

Before you test your kite after each change, predict what will happen when you try it!

WHITE HOUSE EASTER EGG ROLL

3

Do more and go further

Visit your local science center and learn more. Many centers have exhibits that can help you understand what's going on with your kite and copter.

Scientists are always trying out their own ideas and making up new **designs**. Now that you have the basics, you can experiment and **design your own** kites and copters.

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