

BUFFALO PUBLIC SCHOOLS  
Department Of Science Education  
333 Clinton Street  
Buffalo NY 14204

**BPS**  
**TEAM**  
**Science**

FIRSTHAND LEARNING, INC  
Science Materials Center  
2495 Main St., Suite 550  
Buffalo, NY 14214

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Dear Teacher,

The enclosed take home activity was developed to enhance this **Air & Weather Kit**. The main objective is to get parents involved and help them to understand what their child is learning in science. This activity is optional but is highly suggested. We hope you will find it useful. Please require the students to complete the Family Journal Page in their science journals.

You can decide whether to send home only the Family Journal page or the students' entire science journal with it. Allow the students to assemble their own take home items.

Please return all unused non-consumable take home materials found in your kit.

Thank you.

Dear Parents,

We are working on Air and Weather in our classroom. Here is a take home activity to work on with your child. Have fun with your child and let him/her show you what he/she has learned. Please make sure your child completes and returns the science journals page and answers the questions below in their journals.

Thank you.

### **Take Home Activities**

#### **Design a Glider**

1. Use a sheet of paper to make a glider, see the instructions outline.
2. Fly the glider. Measure how far it flew. What can you do to make it go farther? higher?
3. Fly it again. What did you do to make it go faster?
4. Now design and decorate your glider with the other blank paper. Someone in your family can help.
5. Predict which glider will fly farthest.
6. Now, have an airplane glider race with your mom or dad.
7. Draw a picture of your glider on your journal page and write about your race.

Dear Parents,

We are working on Air and Weather in our classroom. Here is a take home activity to work on with your child. Have fun with your child and let him/her show you what he/she has learned. Please make sure your child completes and returns the science journals page and answers the questions below in their journals.

Thank you.

**What you need:**

- A pencil for recording
- Writing paper

**What to do:**

For five days, draw pictures of the clouds you see in the sky.

Answer these questions each day.

1. What color are the clouds?
2. How fast are they moving?
3. What is the weather like today?
4. Can you predict tomorrow's weather?

BONUS: can you name a cloud?

Family Journal Page  
Design a Glider

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Draw a picture of your glider.

2. Write about your glider race.

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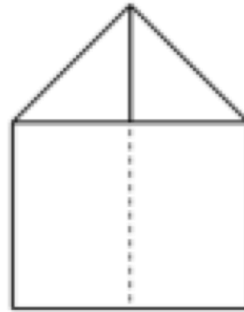
# Glider

1.



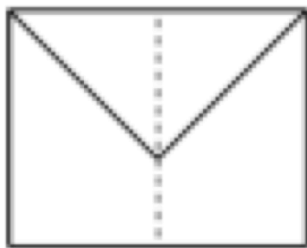
Fold Paper in half Lengthwise. Then fold it.

2.



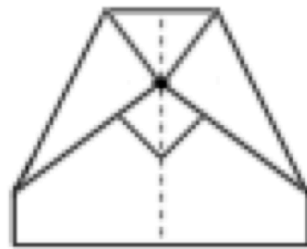
Fold the corners to the center line.

3.



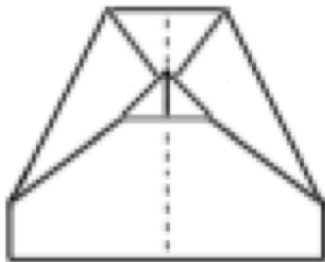
Fold the top triangle down, as shown.

4.



Fold the corners down to about 2cm above the point of the triangle underneath.

5.



Fold the tip of the underneath triangle up. Fold the glider in half.

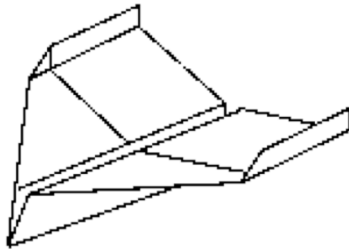
6.



7.

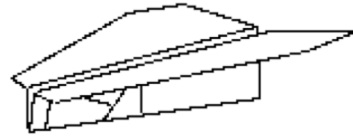


Fold the wings down.  
9.



Try folding the wings up on their edges to  
change the gliders flight path.

8.



This is the glider with the wings folded.