

**ACTIVITY:** Flight Controls

FOLLOW THESE INSTRUCTIONS TO BUILD YOUR OWN GLIDER.

**MATERIALS:**

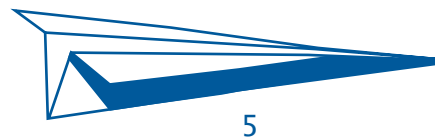
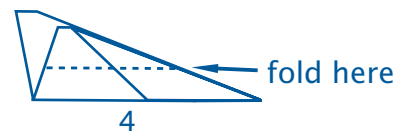
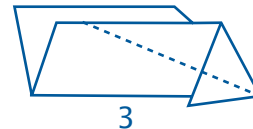
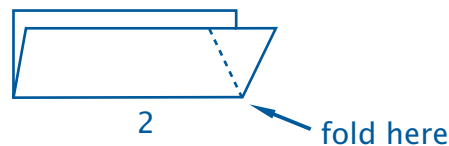
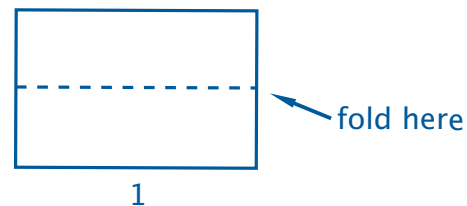
Sheet of paper

Paper clips

Room to throw

**TO DO IT:**
**Folded Paper Glider**

1. Fold paper in half lengthwise and crease.
2. Fold down the corner of one side so the edge is even with the folded side of your original crease. Flip paper over and repeat to form a point.
3. Fold down the angled edge on one side so it is even with your original fold. Flip and repeat. You should now have a more narrow point.
4. Make a third fold that brings your new top edge even with the bottom of your original fold.
5. Push up the wings so they are perpendicular to the body of your airplane. Try launching your airplane



(Tip: If it seems "nose heavy" use paperclips near the rear of the airplane to add weight and help keep the nose up. You may need 2-3 paperclips)

**STUDENT**

FOLLOW THESE INSTRUCTIONS  
TO BUILD YOUR OWN GLIDER.

1

4

3

2

**ACTIVITY: Flight Controls****CIRCLE ONE OR FILL IN THE BLANKS:**

1. To turn the plane, the pilot turns the control wheel **LEFT / RIGHT** to start a left turn.
2. Turning the control wheel makes the wings tilt or “B \_ \_ \_ .”
3. To start a turn to the right, the pilot would turn the control wheel to the **LEFT / RIGHT**.
4. To help coordinate the turn, the pilot uses the R \_ \_ \_ R.

**CIRCLE ONE:**

1. To facilitate a left turn, the pilot pushes the **LEFT / RIGHT** rudder pedal.
2. To start a climb, the pilot **PUSHES FORWARD / PULLS BACK** on the control wheel.
3. To start a descent, the pilot **PUSHES FORWARD / PULLS BACK** on the control wheel.

