



O WOW! Moment— Flight Control

How do ailerons change the way your paper airplane flies?

MATERIALS

- ❖ Paper
- ❖ Tape
- ❖ Wide Open Spaces

GET SET UP

1. Fold a sheet of paper in half and then unfold it.
2. Fold the top corner to the middle of the paper (the fold). Repeat with the opposite corner.
3. Fold the edge of the paper towards the center (the fold). Repeat with the opposite edge.
4. Refold the center crease.
5. Fold down the wings to about 1/2" before the crease.
6. Fold the wings back up.
7. Make a 1/4" cut through both wings about 3/4" from the top of the paper and about 1/2" from the wing crease. These are your ailerons.
8. Fold the wings back down.
9. Add a small piece of tape down the center of the plane.
10. Experiment with the ailerons. What happens to the flight path of the plane when the ailerons are folded up? What happens to the flight path when they are folded down?