UAMN Virtual :  $\mu v$ ] } CE  $\mu$  CE š } CE •: Wings



Explore the principles of flightby building and testingpaper airplanes!

Materials Needed:

Paper, colored pencils or marke Biptional:tape, ruler, measuring tape, scissors, stopwatch.

Instructions:

Step 1:Take a blank piece of paper and fold a paper airplane See the folding instructions on the next page, or use your favorite paper airplane design. Hint: Press along each fold with a ruler or fingernail. This will help make sure the fold is crisp and stays in place.

Step 2:Use colored pencils or markers to decorate your paper airplane. Be creative!

Step 3:Fly your paper airplane! Find an area clear of people and other hazards. Gently toss your airplane. How far did it fly? You can use a ruler or measuring tape to record the distance.

Step 4:Adjust your design and try again! Try folding the wing tips up, making the wings wider or skinnier, or adding a piece of tape to keep the nose from unfolding. Can you make your airplane fly fa**rt**he

Step 5:Keep experimenting! Try different airplane designs; patterns can be found at<u>www.foldnfly.com</u>(suggested designs include the Stable, Buzz, and









## UAMN Virtual : $\mu v$ ] } OE $\mu$ OE š } OE •:

## Paper Airplane Folding Instructions

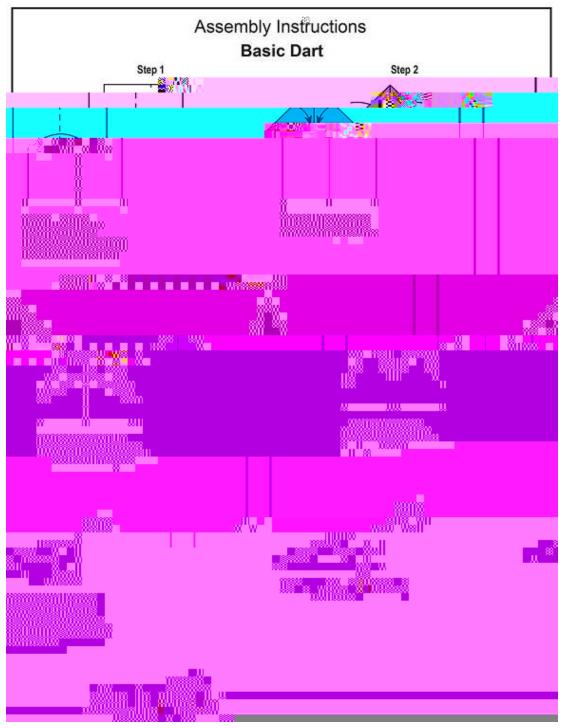


Image courtesy of Air Force Research Laboratory.

Find more paper airplane designs and how-to videos: <u>www.foldnfly.com</u>

