INTREPID MUSEUM

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Glider Instructions

1. Fold along black dotted center line
    a. This should be as perfect and symmetrical as possible for the glider to fly smooth and straight

2. Fold wings out along black dotted line
    a. Wings should be slightly dihedral, meaning they should be folded up in a slight V shape (see photo)

3. Fold tail out flat along black dotted line, not drooping down
4. Fold vertical stabilizers on tail straight up
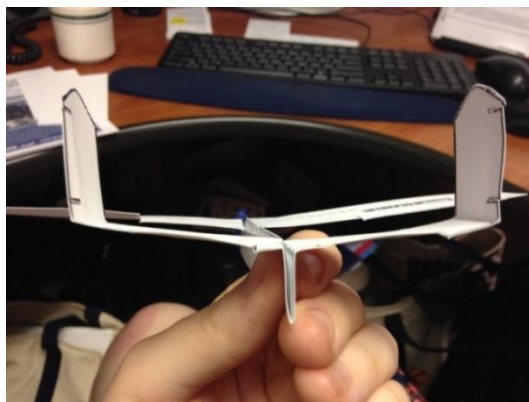
5. Now that they have cut and folded, take a look at the middle of the plane between the wings
6. Try and balance your plane in your hands by placing their index and thumb fingertips BELOW the wings
    a. This is impossible to do because the tail is heavier and the nose gets pulled down by gravity!
7. *Now, then-how CAN we balance our plane?!*
    a. We can add paper clips to the nose until eventually we can balance the glider on our fingertips and the nose is as heavy as the tail
8. **Set a goal for the airplane's flight**. Some examples include:
    a. Make the aircraft pitch up after it is thrown
    b. Make the aircraft turn to the left or right
    c. Make the aircraft do a roll

*No flap should ever be folded more than 45 degrees! If you see flaps folded as far as 90 degrees, tell them to take it back a notch.