

How To Build A Wright 1903 Flyer

Construct your own model of the 1903 Wright Flyer!

Here are the materials you will need:

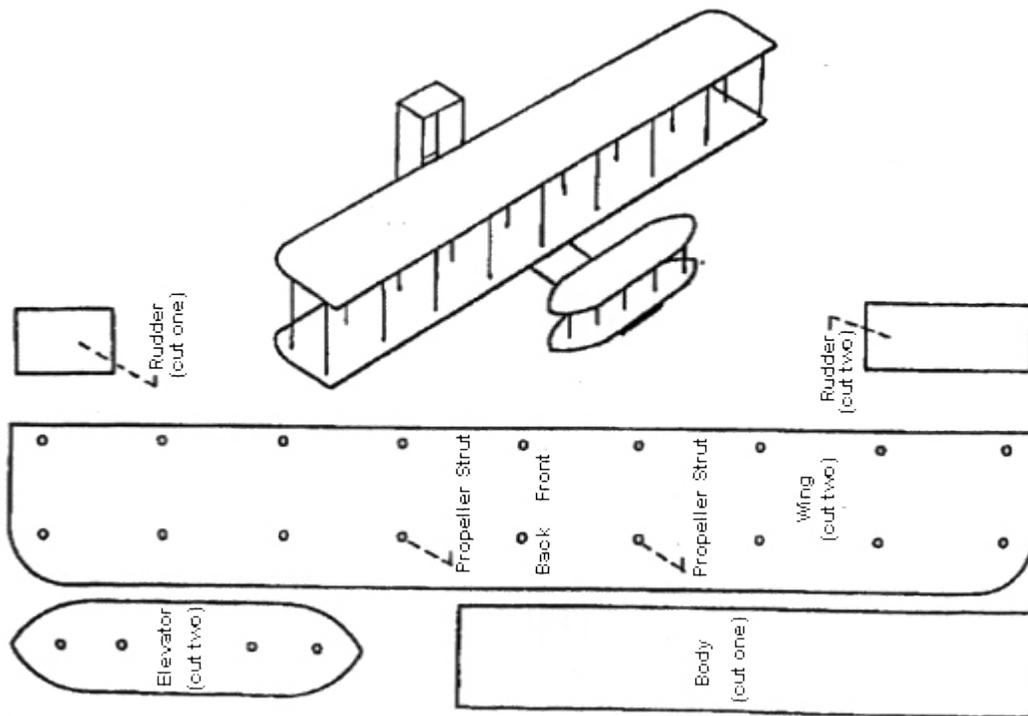
- ✓ One large or two medium-size Styrofoam meat trays
- ✓ (22) round toothpicks
- ✓ White glue
- ✓ Scissors
- ✓ Tape
- ✓ Paint
- ✓ Dime or similar size weight
- ✓ Fine sandpaper

Instructions:

1. Using the diagram below, trace patterns onto the Styrofoam. Stick a pin or mark through all holes in diagram to mark their location on the Styrofoam.
2. Cut out all parts. Shape the wings and elevator with sandpaper.
3. Push one toothpick lengthwise through the center of each rudder. Glue each rudder upright at one end of the body – one to the right edge and the other to the left. Then glue on the rudder top.
4. Dip 18 toothpicks in glue and place the toothpicks upright on the dot marks made by the pin. Dab glue on the toothpick tops and lay the second wing carefully on them. Using the dots as a guide. Press together carefully. Cut a toothpick in half and glue one piece to each of the two middle toothpicks so they look like propellers. Set aside to dry.
5. Assemble the elevator by dipping the end of five toothpick halves in glue. Place the toothpicks upright on the dots on one section of the elevator. Dab glue on the tops and place the second section of the elevator on them. Press together carefully.
6. Glue the set of wings to the center of the body.
7. Glue the set of elevators to the other end of the body.
8. Tape a dime to the bottom of the FLYER between the wings and elevators.

9. Wait for the glue to dry. Now you are ready for takeoff!
10. Kneel down, and fly your model nice and low just like the Wright Brothers flew their first flyer.

STYROFOAM WRIGHT 1903 FLYER PATTERN



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