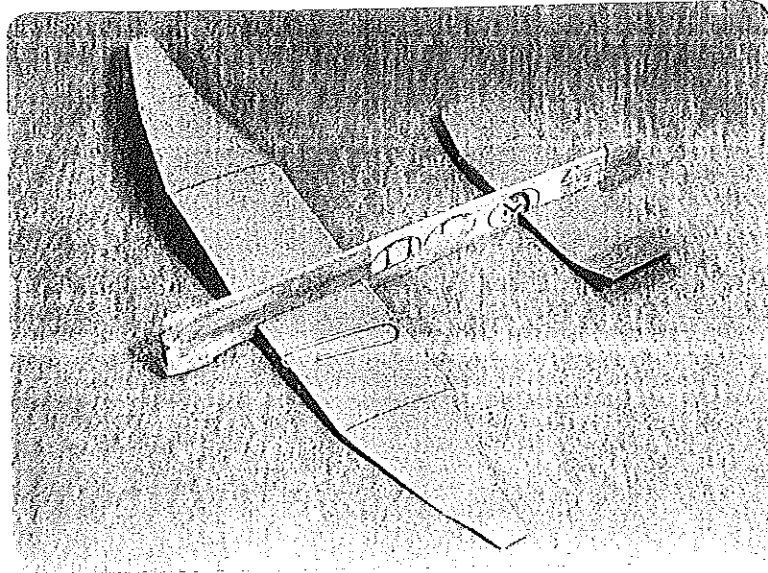


TOOTHPASTE BOX GLIDER



Making the Toothpaste Box Glider incorporates and utilizes: calculation, dexterity, following directions, geometry, hand-eye coordination, measurement, patience

Playing with the Toothpaste Box Glider utilizes: balance, fine motor skills, gross motor skills, measurement, patience, persistence, science of flight, symmetry, trial-and-error learning

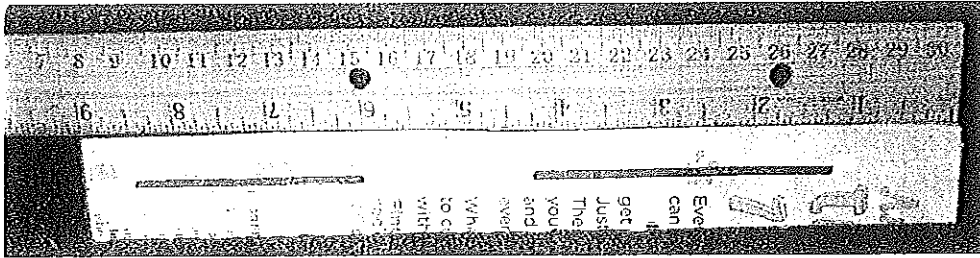
Supplies:

- Packaging box for toothpaste (approximately 9 in x 2 in x 1.5 in)
(22.9 cm x 5.1 cm x 3.8 cm)
- 2 or 3 pennies
- 1 or 2 jumbo paper clips
- Tape
- Scissors
- Ruler
- Utility or craft knife

- The wing is made from the 11.25-in x 2-in (28.6-cm x 5.1-cm) rectangle. The tabs are part of the wing; do not remove the tabs. Starting at either end, measure 5.1 in (13 cm), and draw a line across the width. This is the centerline.
- Next, calculate 45 percent of the distance from the centerline to each wing tip; mark the distance and draw a line across the width of the wing. There are two 45-percent lines—one to the left of the centerline and one to the right of the centerline
- Find the midpoint on each 45-percent line. Using a ruler or straightedge, draw a line connecting these midpoints and extending out to each wing tip. This is the midline.

Make the wing.

- Starting again from the nose of the glider, measure 6.25 in (15.9 cm) and make a mark. From that mark, measure 2.25 in (5.7 cm). Draw a line between these two marks. Along the line, cut through both layers. (This slit will be for the horizontal stabilizer.) Set aside.



- Two slits will be cut lengthwise along the midline and through both layers of the folded tagboard. Select one end to be the nose of the glider. From the tip of the nose, measure 1.25 in (3.2 cm) and make a mark. From that mark, measure 3.25 in (8.3 cm) and make another mark. Draw a line between these two marks. Along the line, cut through both layers. (This slit will be for the wing.)
- Take one of the 11.25-in x 2-in (28.6-cm x 5.1-cm) rectangles. Remove the tabs. Fold it in half lengthwise to form a 9-in x 1-in (22.9-cm x 2.5-cm) rectangle and seal both ends with tape.

Form the body of the glider.

- Cut along each of the lengthwise edges of the box to make four rectangles: two that are approximately 11.25 in x 2 in (28.6 cm x 5.1 cm), including the tabs, and two that are approximately 11.25 in x 1.5 in (28.6 cm x 3.8 cm), including the tabs. The wider rectangles will become the body of the glider and the skinnier rectangles will be used for the horizontal stabilizer at the tail of the glider.

To Make: