

American Aviation Flyers

Supplies:

- 8 large craft sticks
- Hot glue gun
- 2 rubber bands
- Scissors
- Markers
- Stickers



Steps:

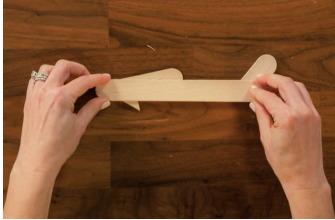
	<p>Step 1: Lay two craft sticks side by side and mark a diagonal line about two inches from the end. Cut along the line with scissors to get two equal-length pieces. These are the plane's tail and cockpit. Discard the unused ends.</p>
	<p>Step 2: Cut off the rounded end of a new stick and create a small triangular trapezoid shape (see Jill's video for guidance). Keep the remaining part of this stick for Step 9.</p>
	<p>Step 3: To create the plane's body, place a new stick flat on the table. Then, grab one of the pieces from Step 1 and, with the assistance of a parent, glue it onto the end of the new stick. Ensure the diagonal edge is lined up and flat against the bottom edge of the stick. This piece will serve as the plane's tail fin.</p>
	<p>Step 4: To create the cockpit, grab the second piece from Step 1 and glue it at a slight angle onto the stick, making sure the pointed end is about one inch from the front of the plane and touches the top edge of the stick.</p>

Scan to watch episode:

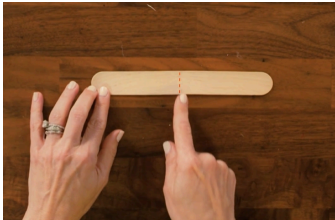




Step 5: Attach the small triangular trapezoid piece under the cockpit against the body, ensuring the pointed part sticks out below the bottom edge of the stick. (Trim the triangular piece if necessary.)



Step 6: Grab a new craft stick. Glue it flat on top.



Step 7: Grab another new craft stick. Mark the center of it, and add a line of glue.






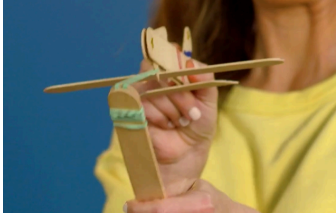
Step 8: Glue this part under the base of the plane to make the wings. Make sure the end of the cockpit lines up with the back end of the wings (watch Jill for guidance). For reinforcement, add more glue where the base meets the wings.



Step 9: Grab the remaining part of the stick from Step 2. Create a 3-inch long trapezoid by drawing a diagonal line that mirrors the diagonal cut edge of the stick. Cut along the line to make a trapezoid.



Step 10: Next, lightly mark the trapezoid's middle with your pencil and add a stripe of glue to the line. Glue this underneath the main part of the plane, leaving about $\frac{1}{2}$ inch of overhang. Reinforce the sides with glue.

	<p>Step 11: Take a new stick and glue the bottom of a rubber band down to the top of the stick.</p>
	<p>Step 12: Take a new stick and glue it directly on top, sandwiching the rubber band end. Reinforce the top by wrapping the other rubber band tightly around it. This will be a slingshot to help make the airplane fly!</p>
	<p>Step 13: Decorate your flyer using stickers and markers. Be creative!</p>
	<p>Step 14: Attach the plane to the slingshot and watch it soar through the air!</p>

What does aviation mean?

Aviation means the flying or operating of an aircraft. “Aviation” comes from the Latin word “avis,” meaning bird. Today, we use the word to describe anything related to airplanes.

Fun Facts:

- In the 1500s, artist and inventor Leonardo da Vinci studied birds to understand how they could fly.
- On December 17, 1903, in Kitty Hawk, North Carolina, Wilbur and Orville Wright flew the first powered airplane 120 feet in the air for 12 seconds. The airplane they designed and built was called the “Wright Flyer.”
- In 1927, Charles Lindbergh became an international hero by flying 3,600 miles in his airplane, “The Spirit of St. Louis,” across the Atlantic Ocean from New York City to Paris, France.
- In 1932, Amelia Earhart became the first woman to fly by herself across the Atlantic Ocean. She later attempted to fly around the world but mysteriously disappeared in the South Pacific.