

Try This

A Cayley glider

In 1903, two bicycle mechanics named Orville and Wilbur Wright made an airplane with a motor.

But almost 100 years earlier, Sir George Cayley built the first flying machine, a glider.

How to make one:

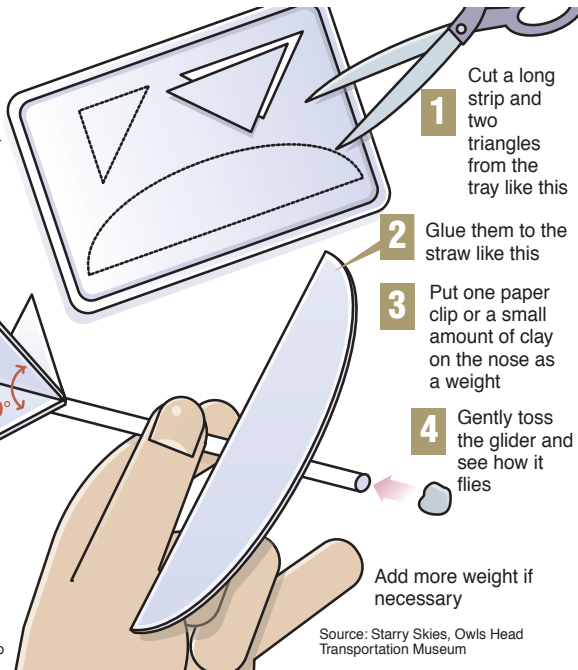
You'll need

- Plastic foam meat tray

Ask a supermarket butcher for a clean one

- Large plastic straw
- Scissors
- Plastic model cement or hot glue gun
- Modeling clay or paper clips
- Adult helper

Graphic:
Paul Trap



1 Cut a long strip and two triangles from the tray like this

2 Glue them to the straw like this

3 Put one paper clip or a small amount of clay on the nose as a weight

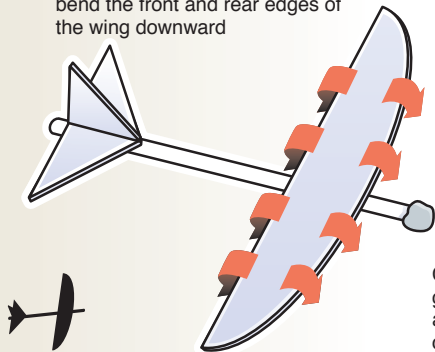
4 Gently toss the glider and see how it flies

Add more weight if necessary

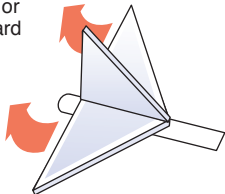
Source: Starry Skies, Owls Head Transportation Museum

What happened?

To make the glider fly better, bend the front and rear edges of the wing downward



To make the glider fly upward or downward, bend the part of the tail that is parallel to the wing upward or downward



Cayley's gliders flew well, and he built a large one that could carry a person when it was pulled behind a horse