

## Materials:

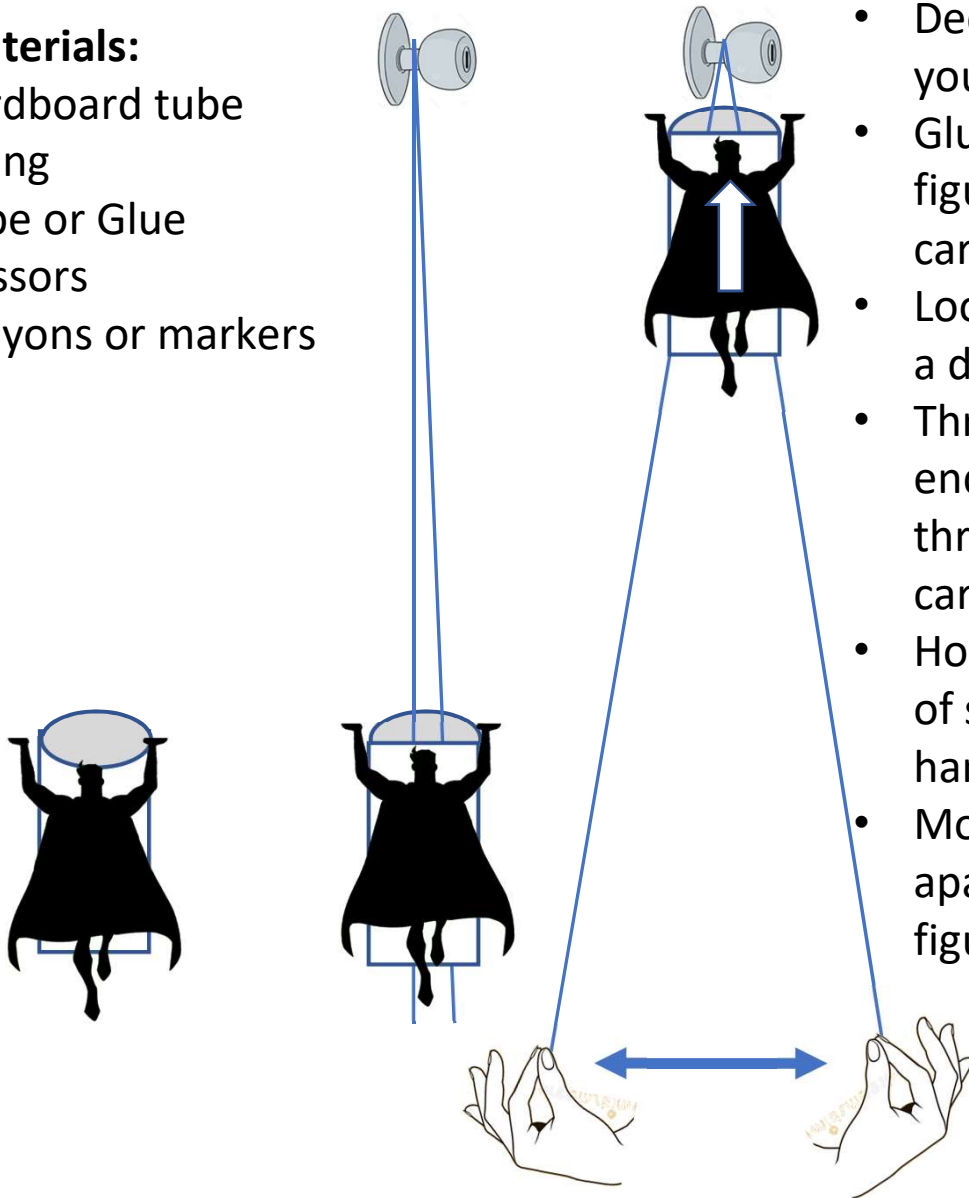
Cardboard tube

String

Tape or Glue

Scissors

Crayons or markers



- Decorate and cutout your flying figure
- Glue or tape the figure onto the cardboard tube.
- Loop the string over a doorknob.
- Thread the loose ends of string through the cardboard tube.
- Hold the two ends of string in separate hands.
- Move your hands apart and watch the figure “fly” upwards.

## What’s Happening?

Pulling the ends of the string apart from each other increases the tension in the string. This also changes the angle of the string at the point where it meets the end of the tube. The string now acts like a lever, pushing the tube upwards.

When you decrease the tension on the string, the tube slides back down.



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Be Creative!

Design your own flying figures using other shapes.

What will you make?

A butterfly, an eagle, a fairy princess, a jet airplane...

The sky's the limit!

Artists need to know about different shapes and can use them to create images.

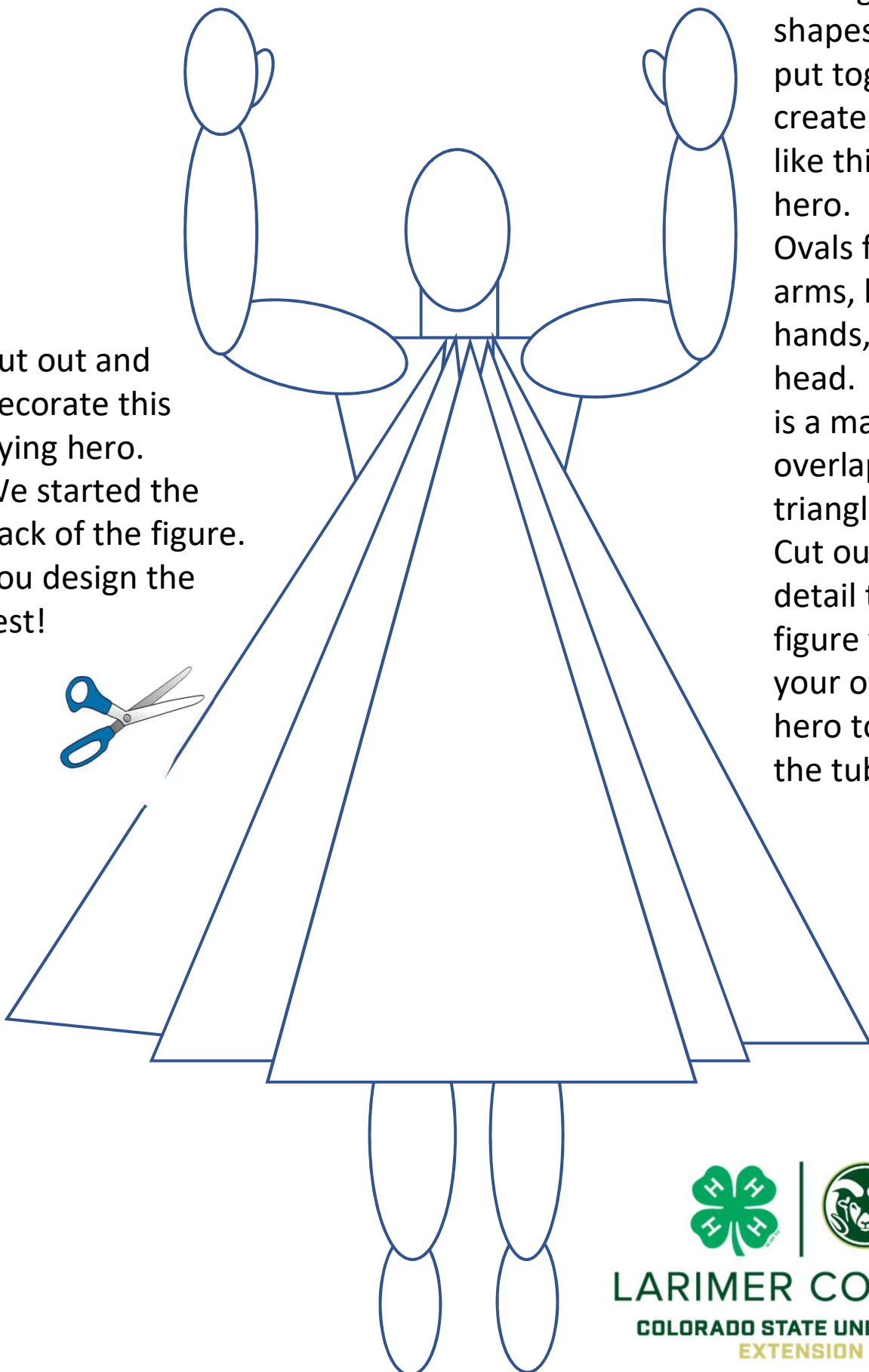


Basic geometric shapes can be put together to create figures, like this flying hero.

Ovals form the arms, legs, hands, feet, and head. The cape is a made of overlapping triangles.

Cut out and add detail to the figure to create your own super-hero to attach to the tube.

Cut out and decorate this flying hero. We started the back of the figure. You design the rest!



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