

Try this simple magnetic STEM activity! This experiment requires very few materials and is super simple. Children will learn about gravity and magnetic force while having fun.

## Materials Needed

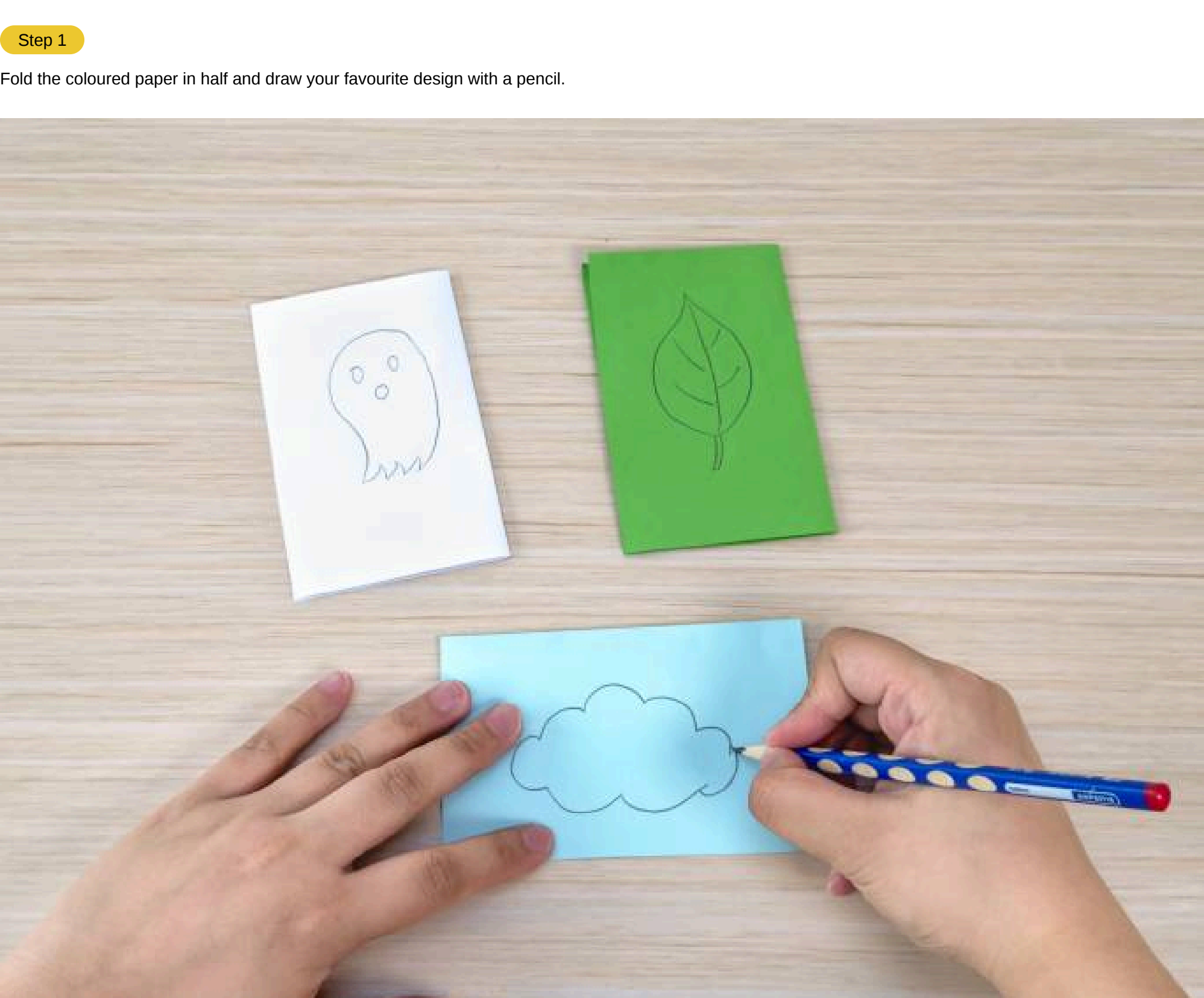
Clear tape  
Double-sided tape  
Coloured paper  
Pencil  
Markers  
Magnet  
String  
Paper clips  
Scissors



## Step-by-step tutorial

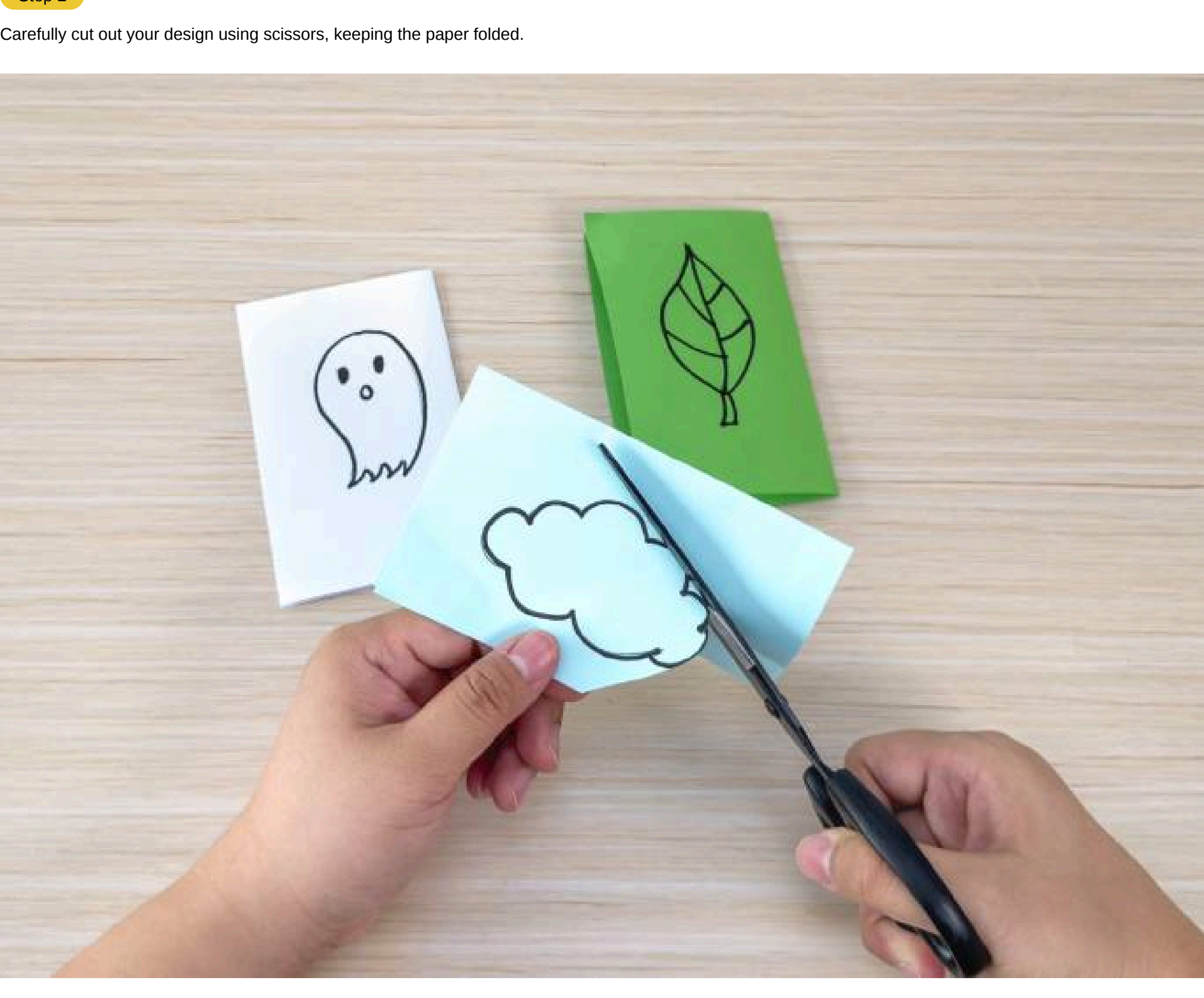
### Step 1

Fold the coloured paper in half and draw your favourite design with a pencil.



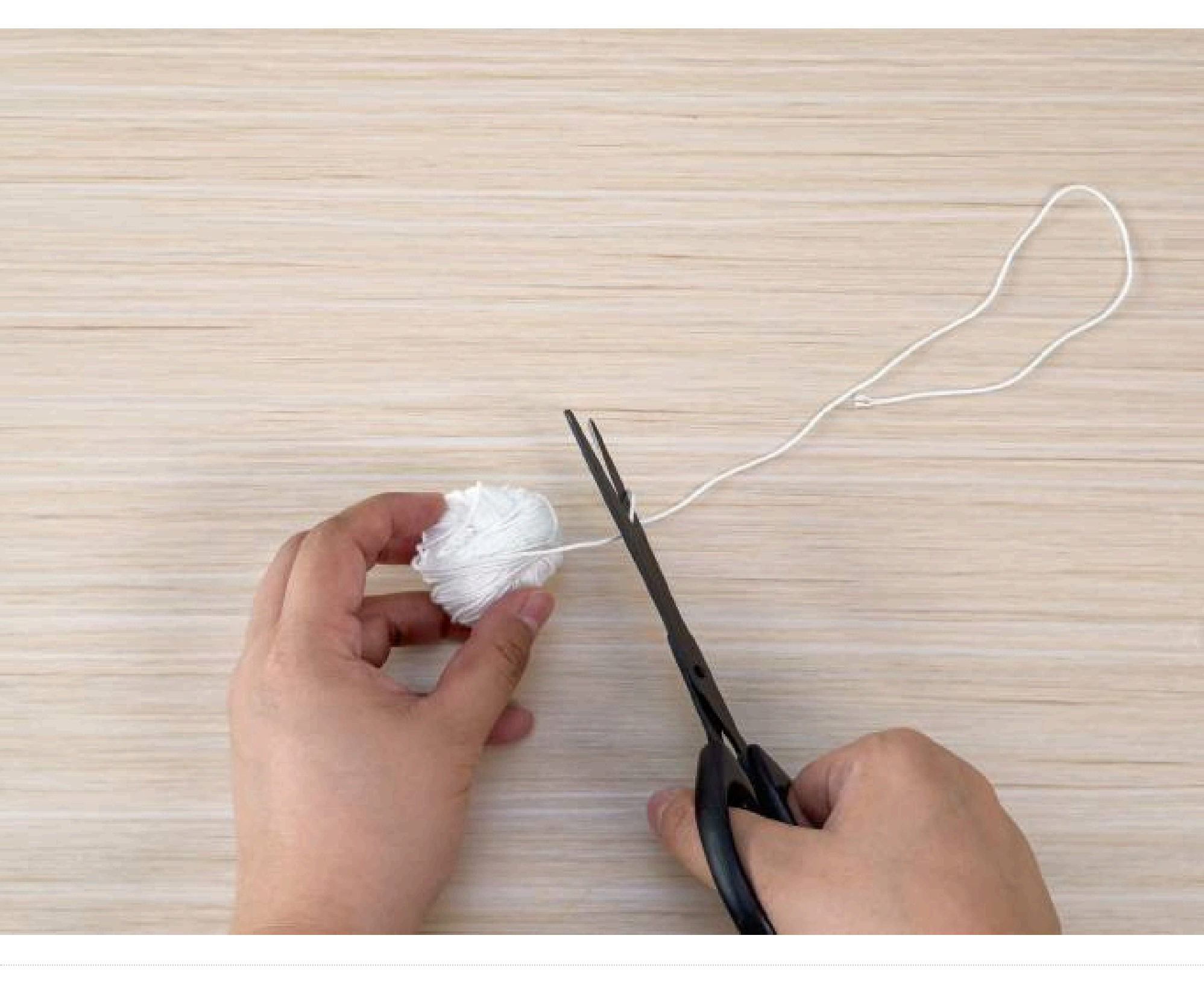
### Step 2

Carefully cut out your design using scissors, keeping the paper folded.



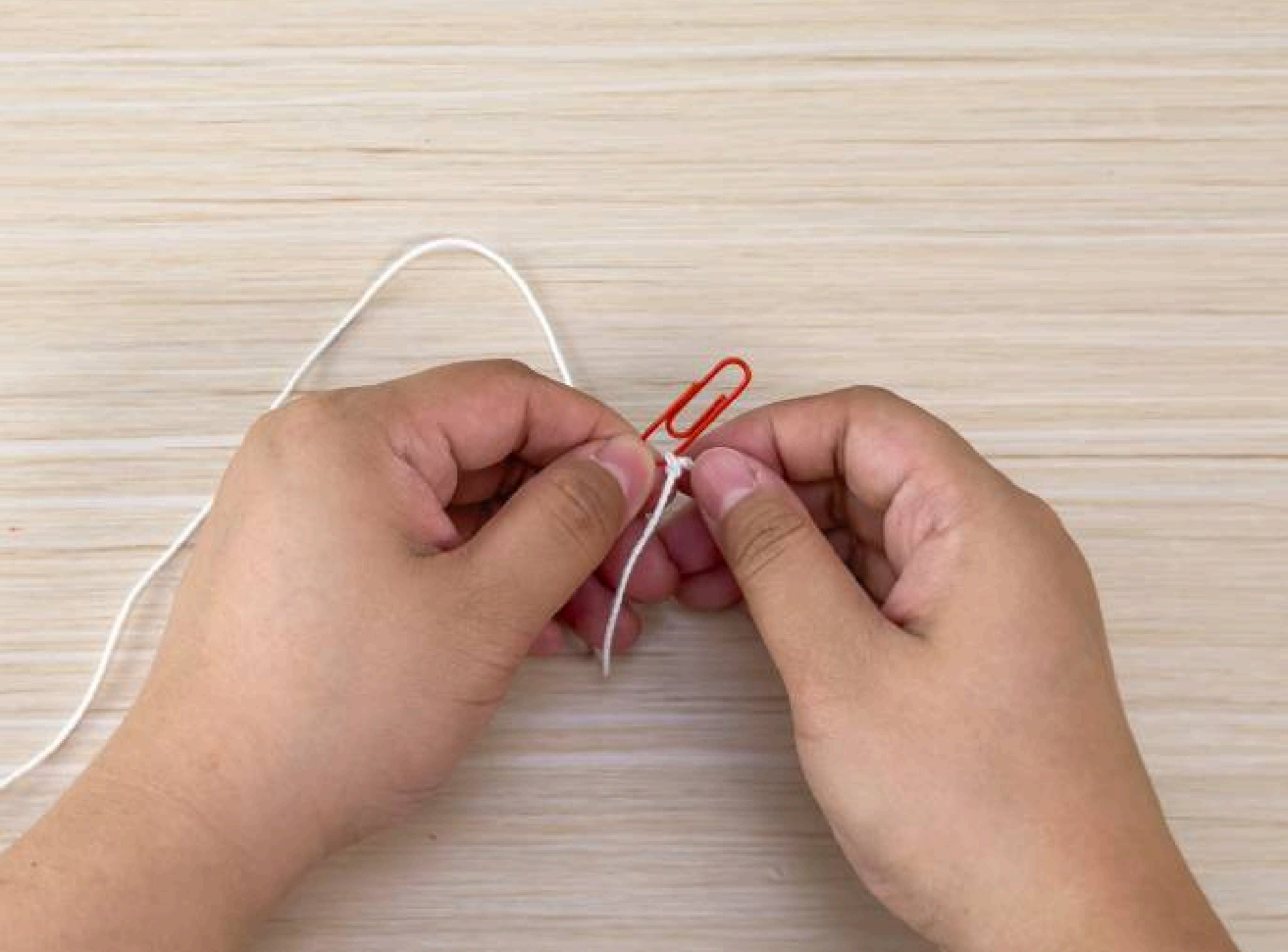
### Step 3

Cut three pieces of string, each about 20cm long.



### Step 4

Take a paperclip, thread one piece of string through it and tie a knot. Repeat with the other two Pieces.



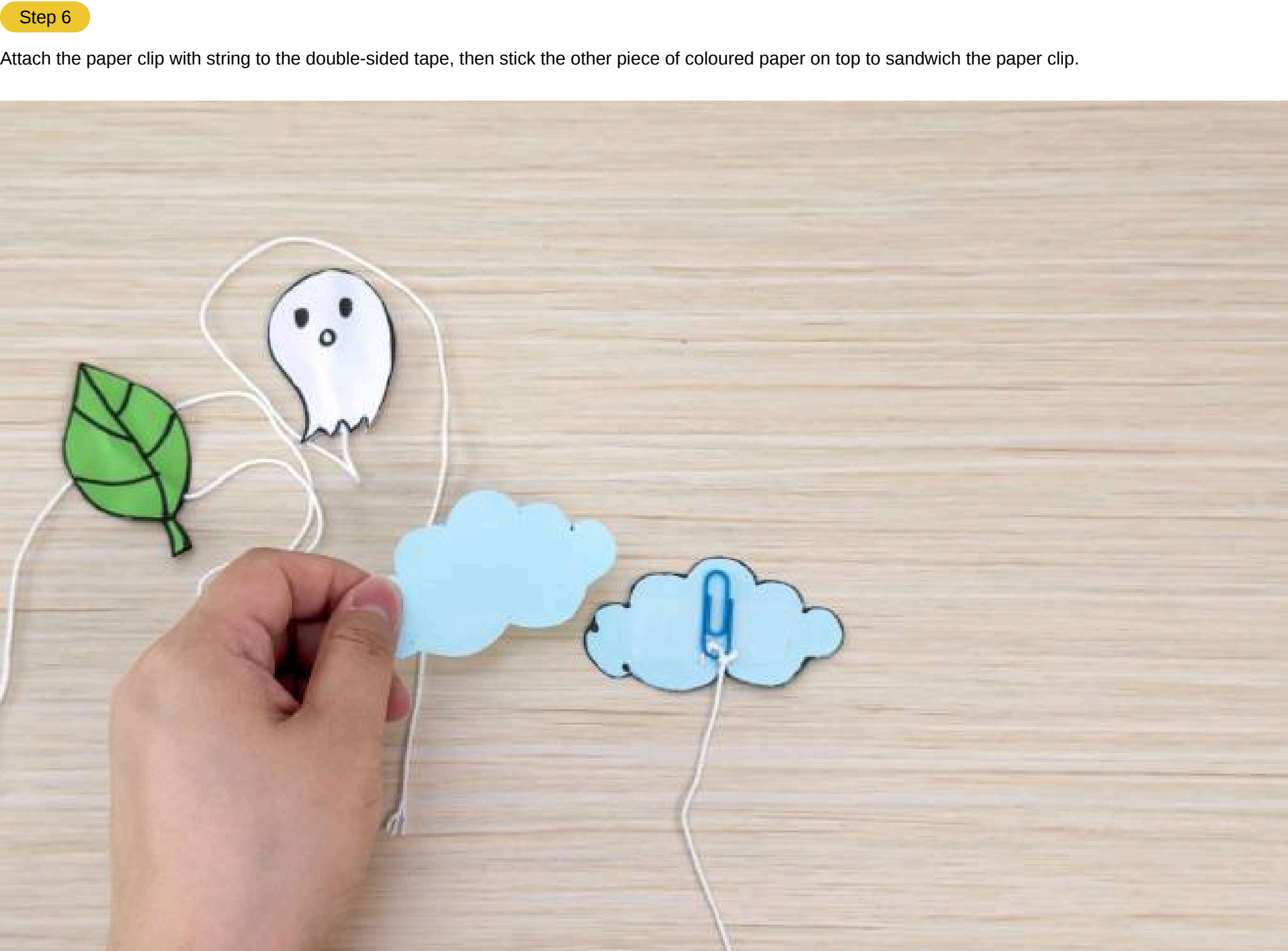
### Step 5

Place double-sided tape on the bottom of one of your cut-out designs and peel off the backing.



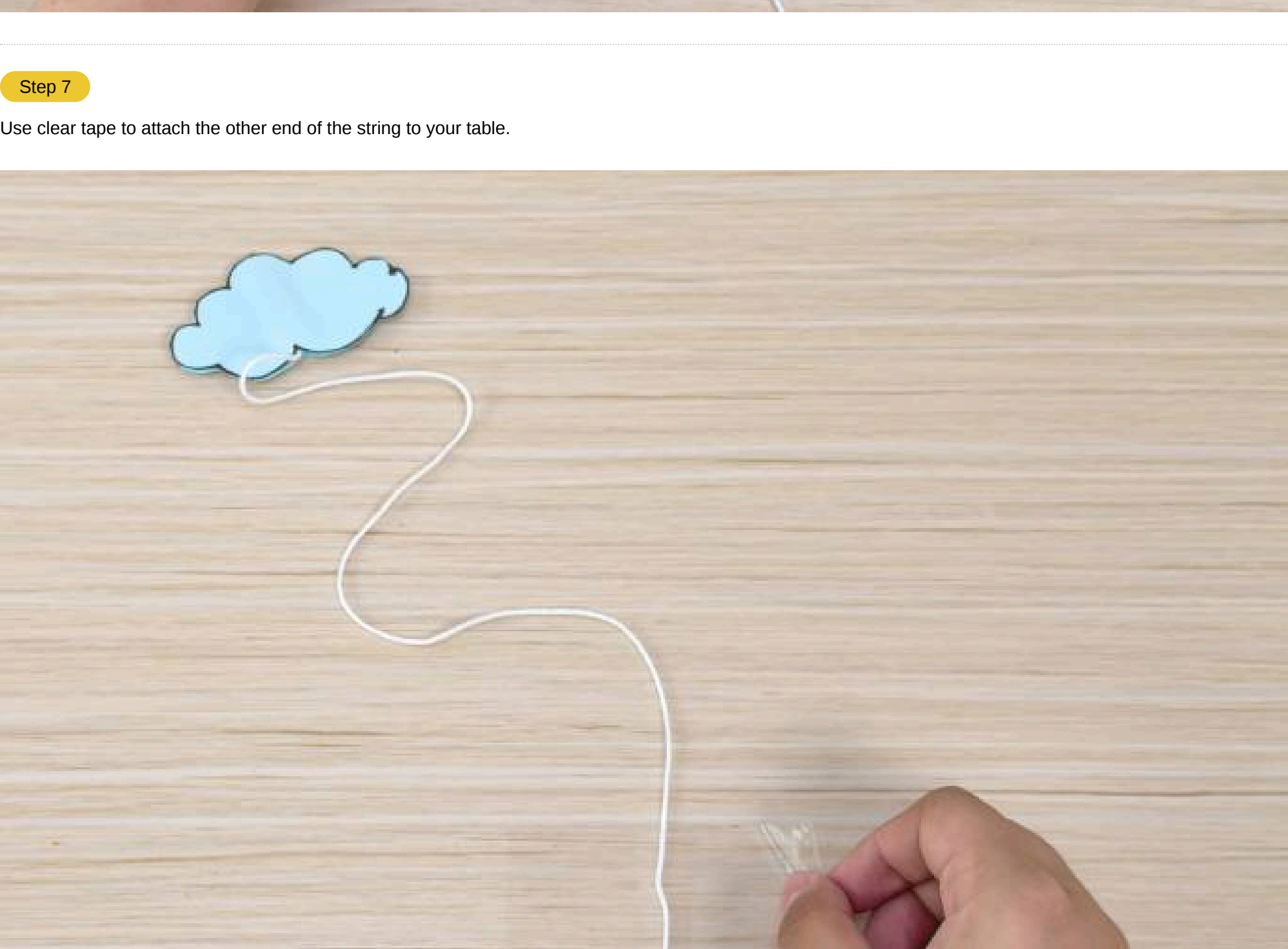
### Step 6

Attach the paper clip with string to the double-sided tape, then stick the other piece of coloured paper on top to sandwich the paper clip.



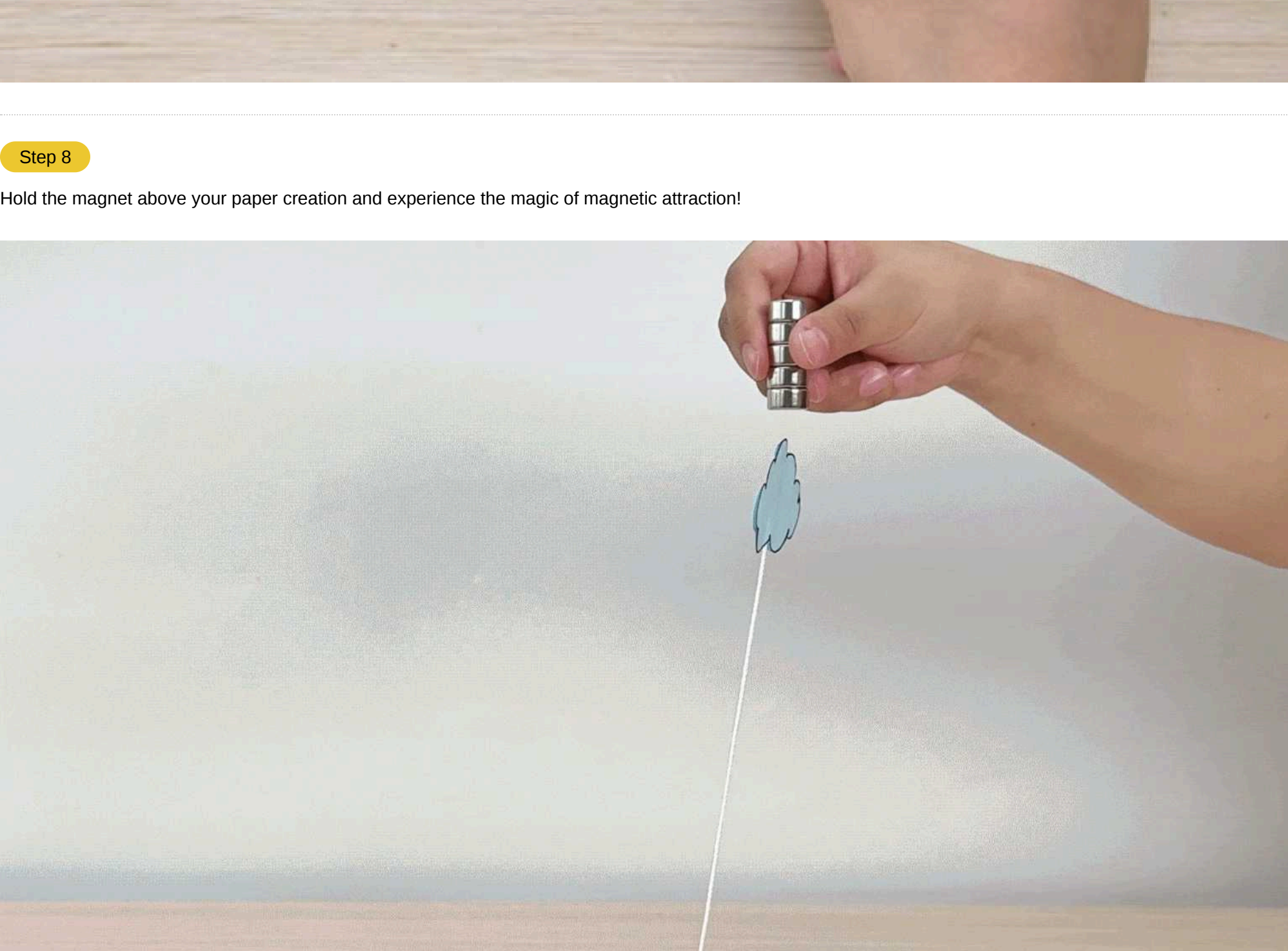
### Step 7

Use clear tape to attach the other end of the string to your table.



### Step 8

Hold the magnet above your paper creation and experience the magic of magnetic attraction!



## The Science Behind It:

Magnets are objects that create magnetic fields and can attract or repel other magnetic materials (like iron and iron products, such as paper clips). This activity demonstrates the competition between magnetic force and gravity. When your ghost floats, it means the magnetic force is stronger than gravity. If the ghost falls, gravity has won! Have fun experimenting!