

Snail Challenge Card

Use your cutting skills and follow these instructions to make a paper snail!



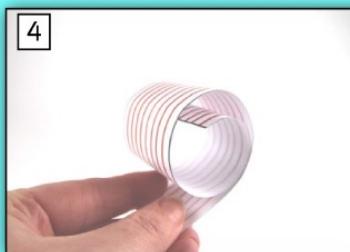
Decorate and cut out your template.



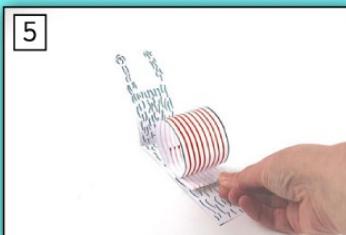
Fold along the dotted line.



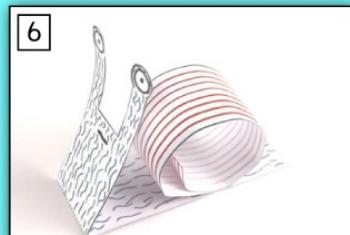
Roll up the snail's shell tightly.



Let it uncurl.



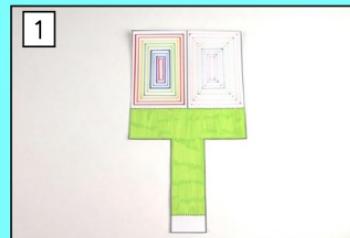
Stick the shell to the snail's body.



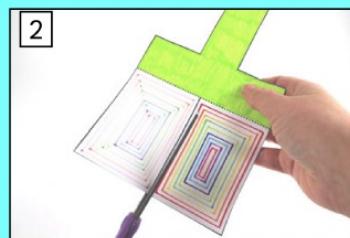
You have completed the challenge!

Helicopter Challenge Card

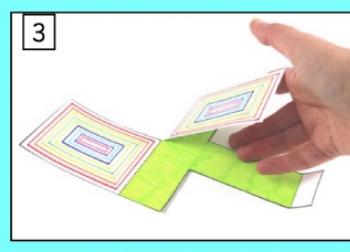
Use your cutting skills and follow these instructions to make a paper helicopter!



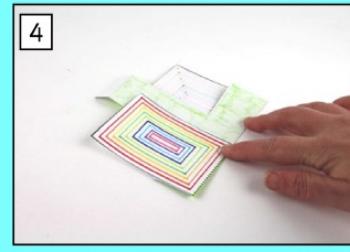
Decorate and cut out your template.



Cut along the black line.



Fold down one of the wings.



Turn the helicopter over and fold down the other wing.



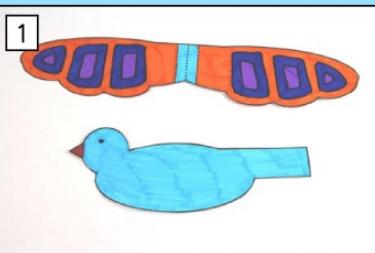
Fold the dotted line at the bottom and fasten it with a paper clip.



Throw it up in the air and see it spin!
You have completed the challenge!

Flapping Bird Challenge Card

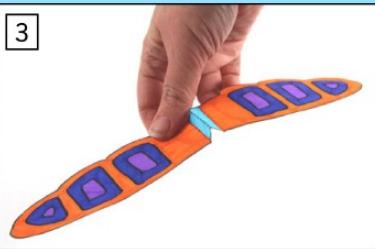
Use your cutting skills and follow these instructions to make a paper flapping bird!



Decorate and cut out your template.



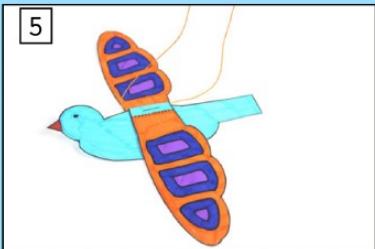
Fold along the middle dotted line.



Fold along both of the other dotted lines.



Put a piece of string through the wings.

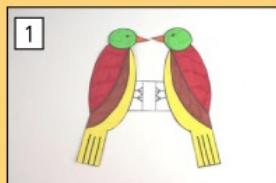


Staple the wings onto the body.

Pull the string up to see the bird flap!
You have completed the challenge!

Pecking Bird Challenge Card

Use your cutting skills and follow these instructions to make a paper pecking bird!



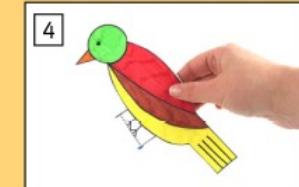
Decorate and cut out your template.



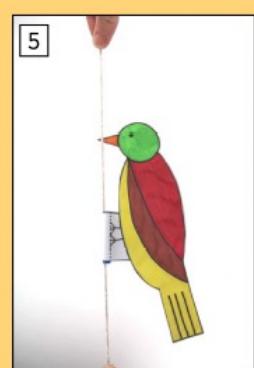
Fold along both dotted lines.



Turn over. Stick a piece of straw in the middle of the feet.



Fold and stick the two sides of the bird together.



Thread some string through the straw. Hold the bird at the top, then let it go. You have completed the challenge!

Creating Paper Toys

Learning Objective:

To design and make a paper toy illusion

Do you know
what an
illusion is?

Think, pair, then share your ideas.



Back

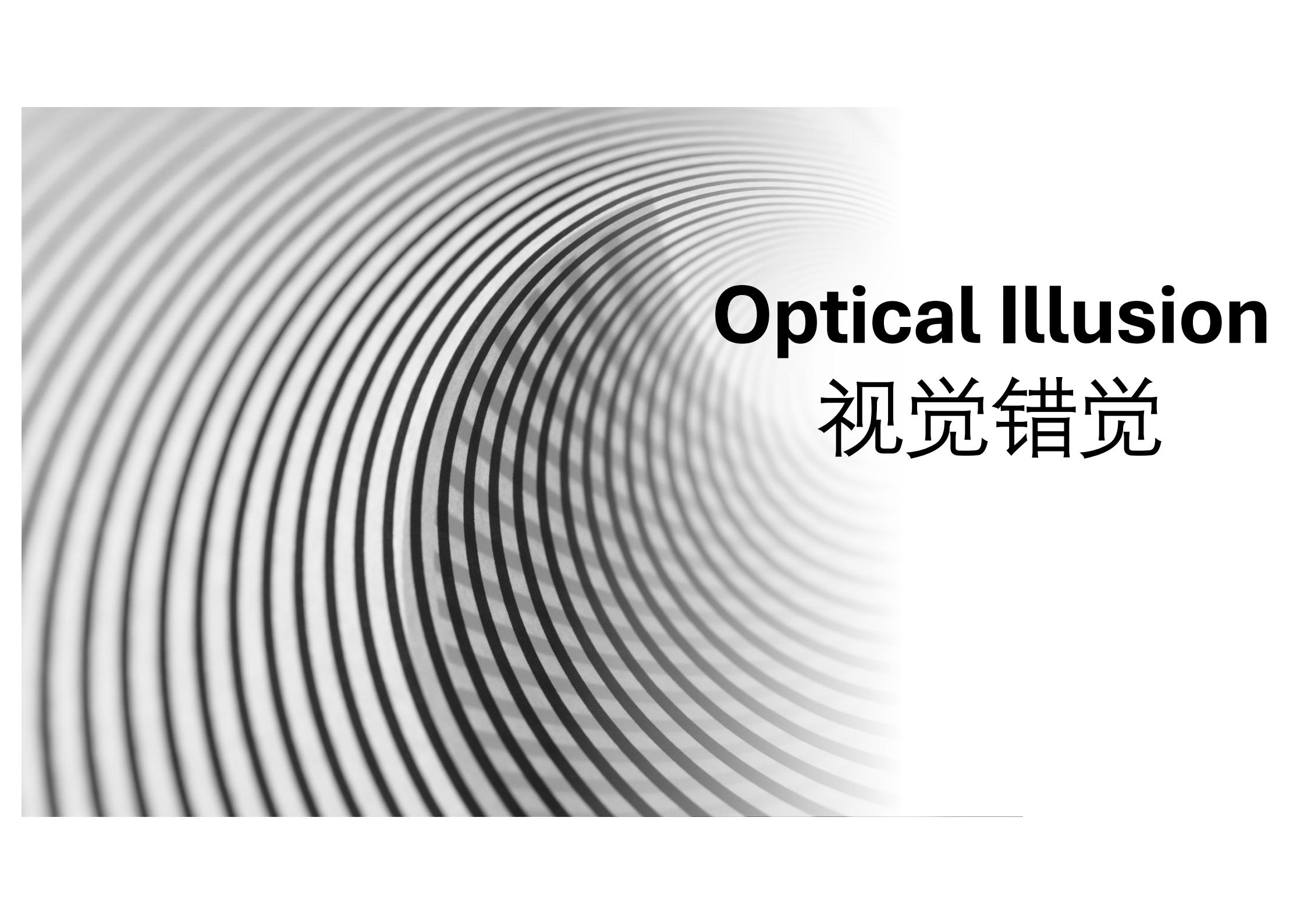
Next



An **illusion** is something that is not what it seems to be. **Illusions** happen when one of the senses is tricked in some way.

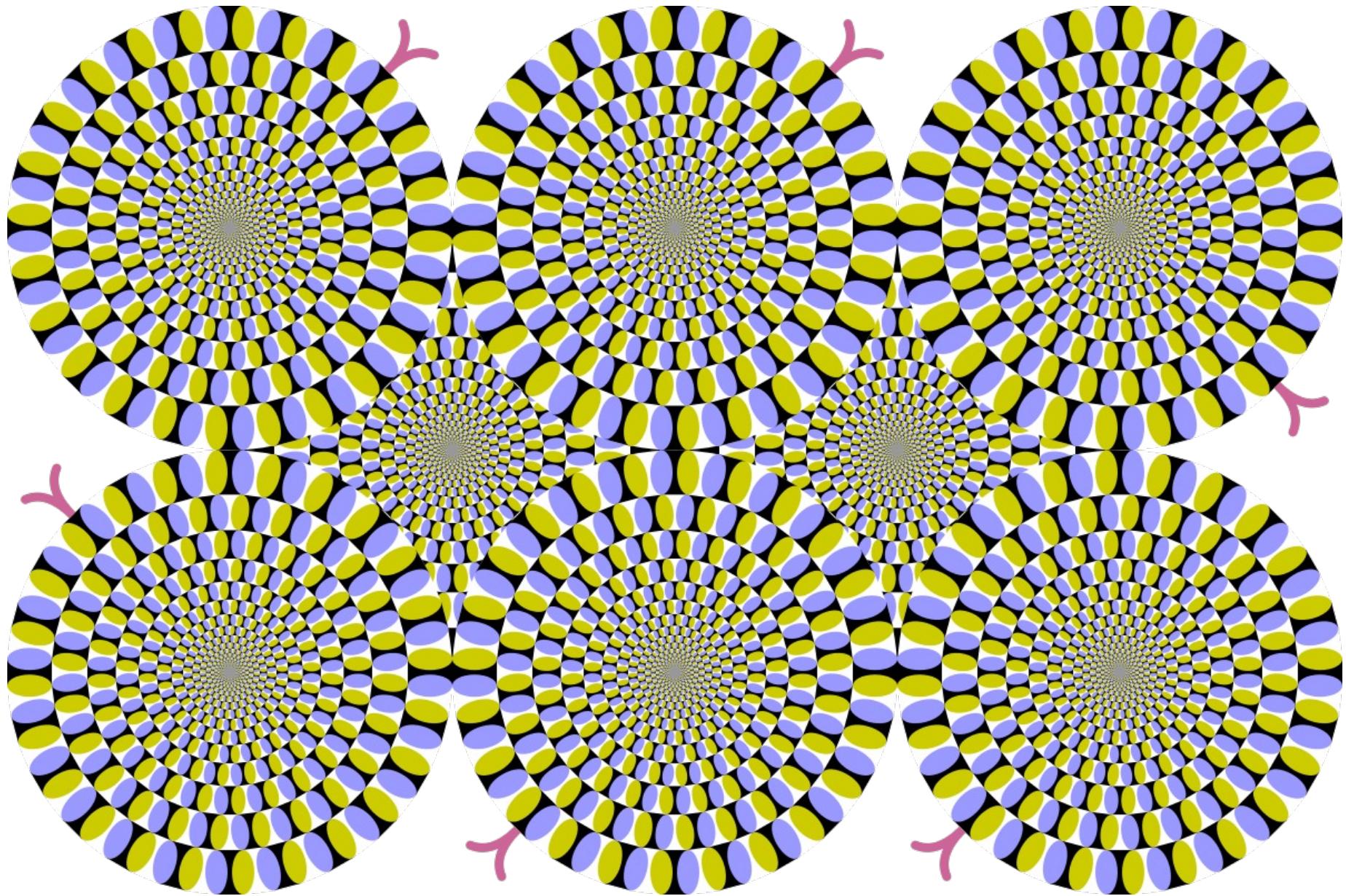
Back

Next



Optical Illusion

视觉错觉



Zagadka.com



БАГИЧА

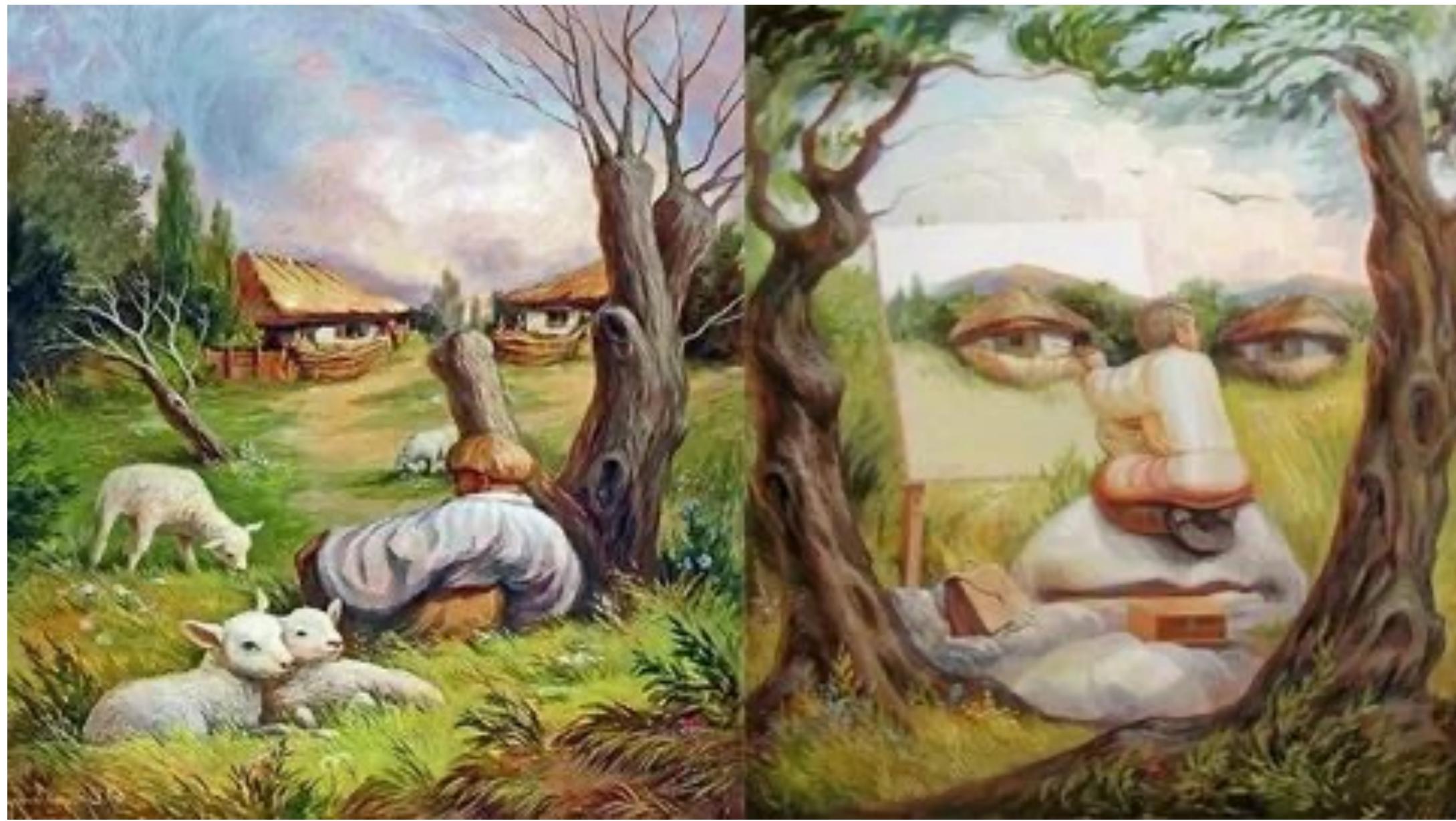


Fishki.net

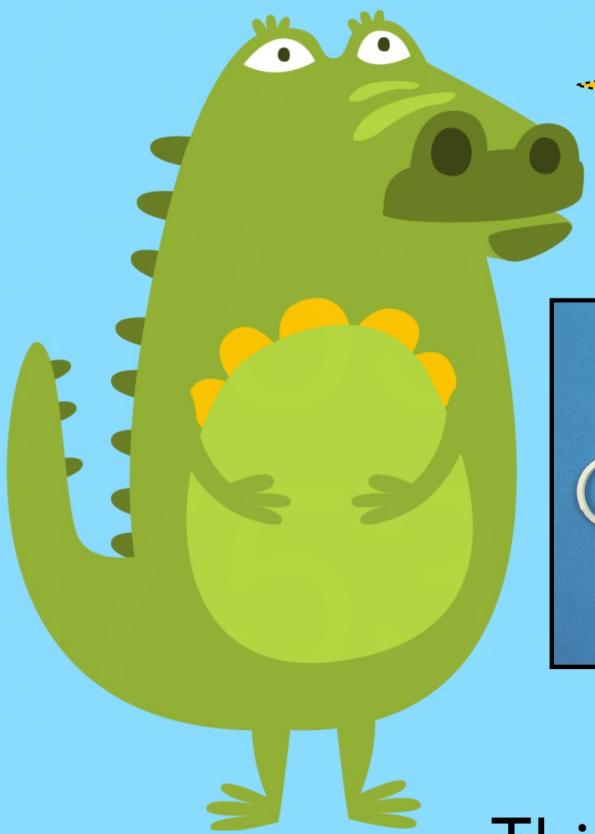




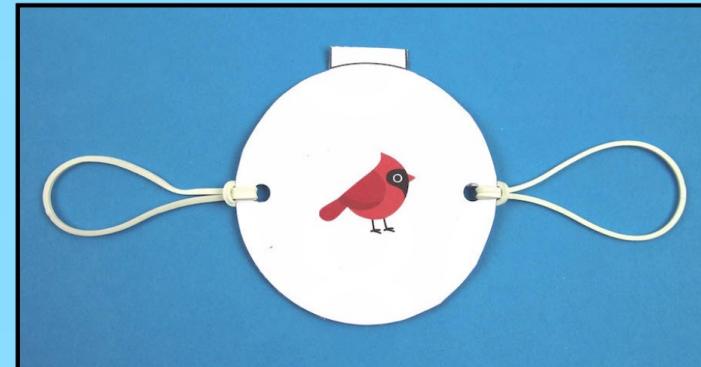




This is an
optical illusion



This is a **thaumatrope**.
What do you think it does?



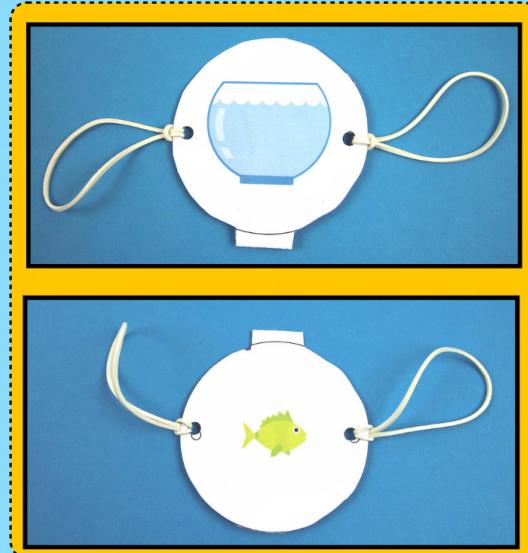
Front view



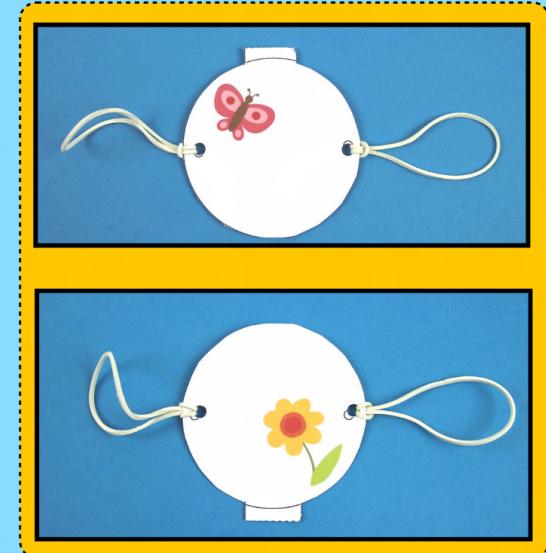
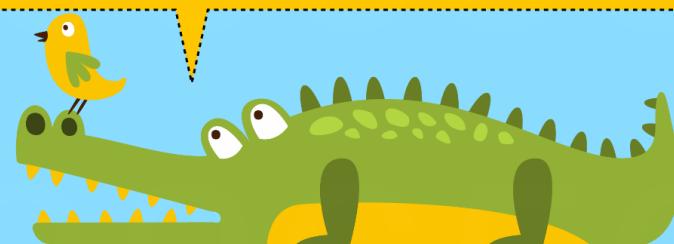
Back view

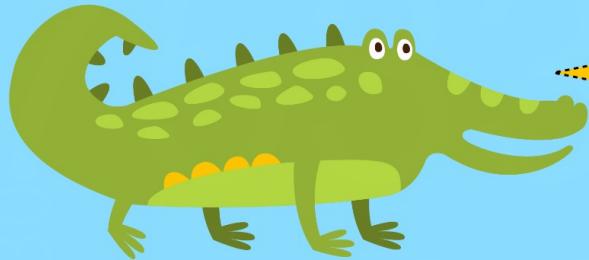
Think, pair, then share your ideas.

The first thaumatrope was invented in 1825, almost 200 years ago. The word '**thaumatrope**' comes from the Ancient Greek language. It means '**wonder turner**'. This is because when you spin it quickly, it creates the illusion that the images on either side seem to turn into one picture!

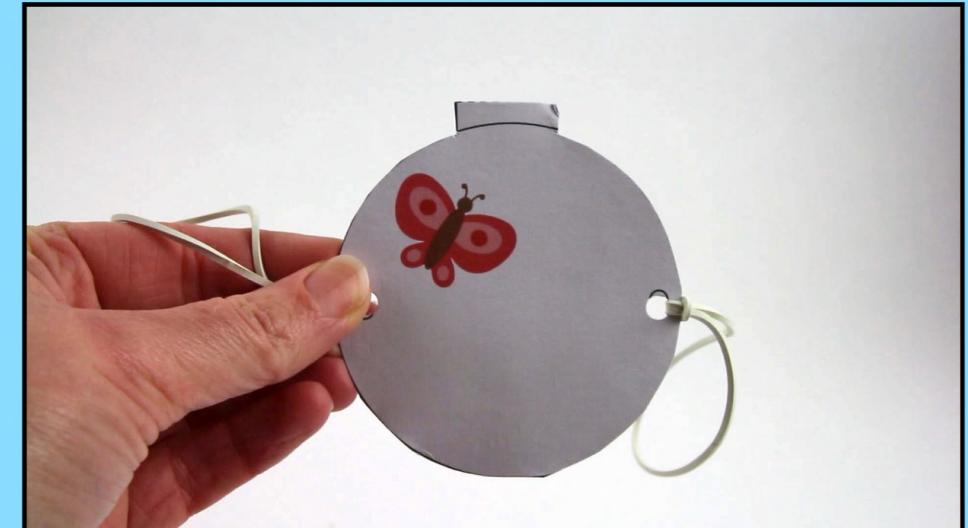
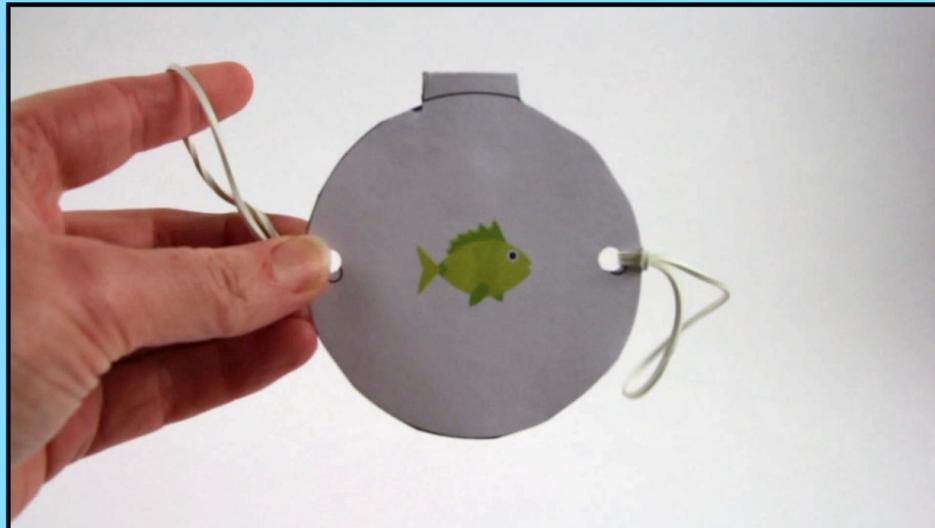


What do you think you see when these **wonder turners** are spun?

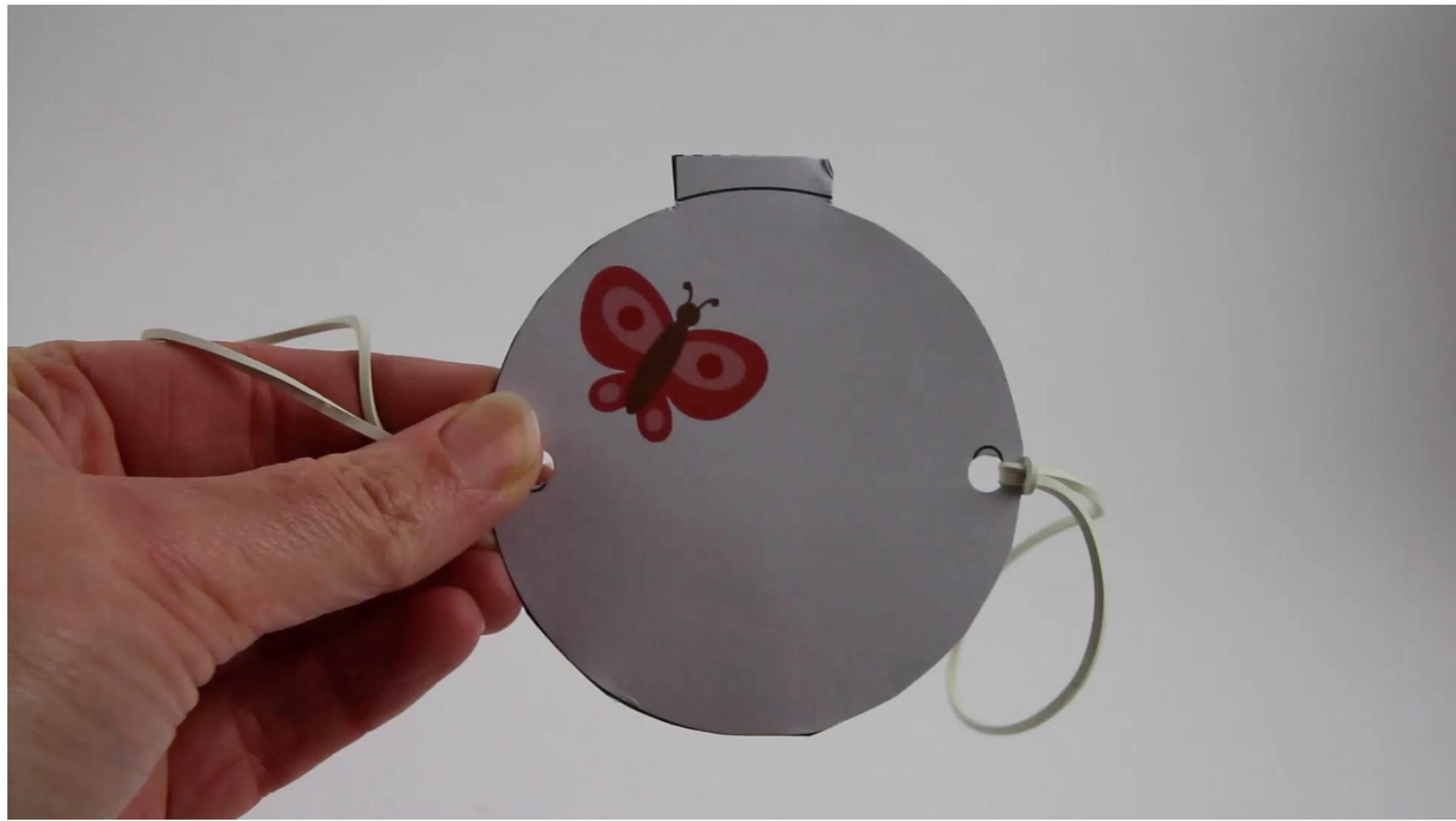


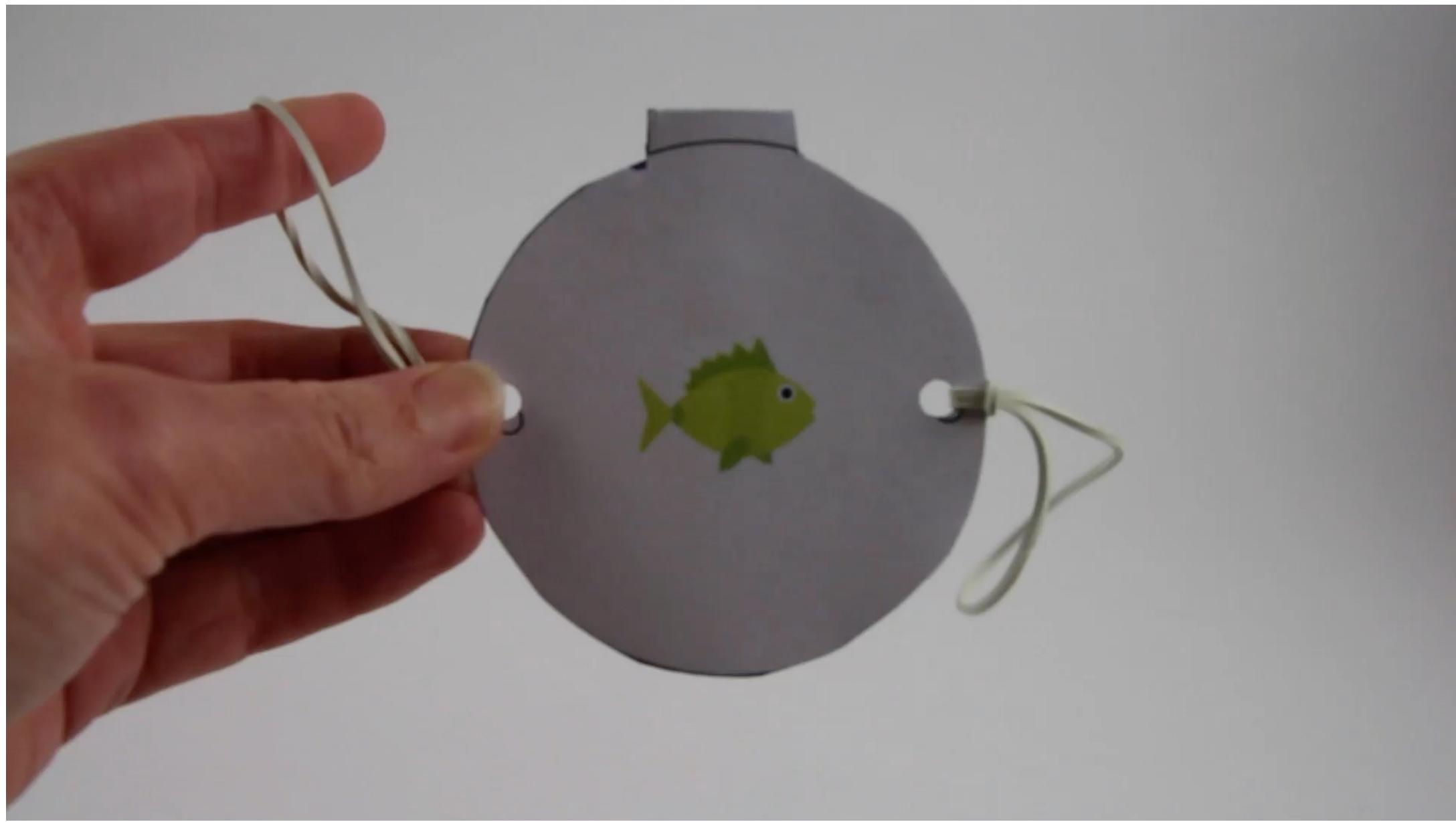


Let's have a look at some wonder turners in action... what can you see?

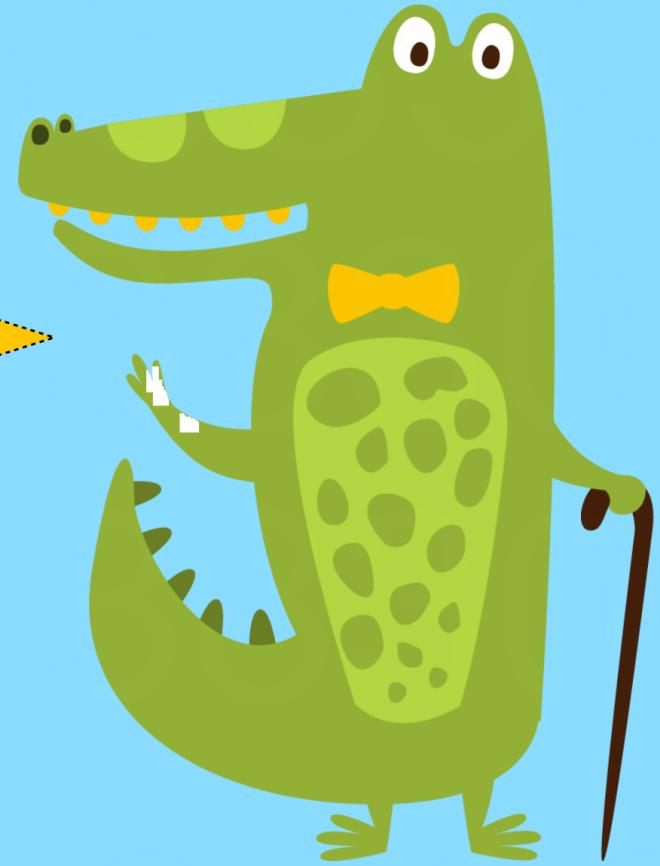


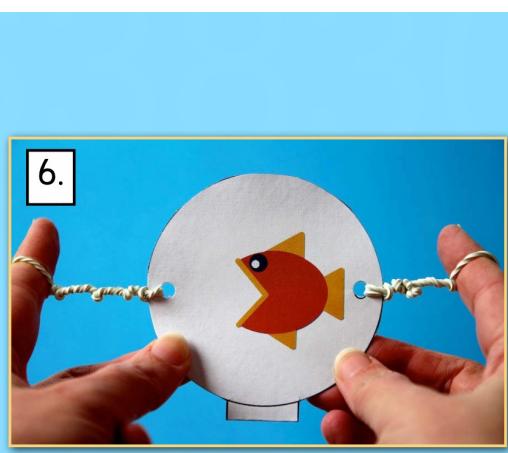
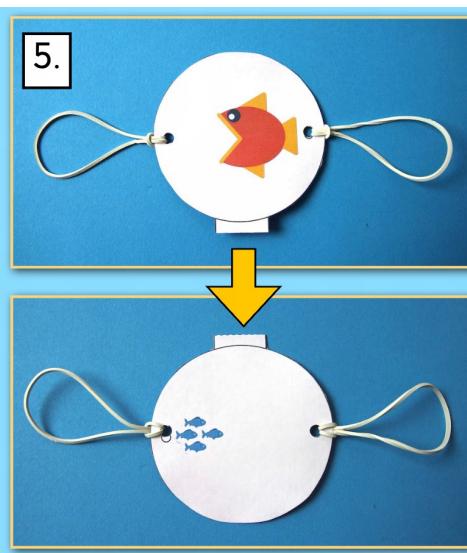
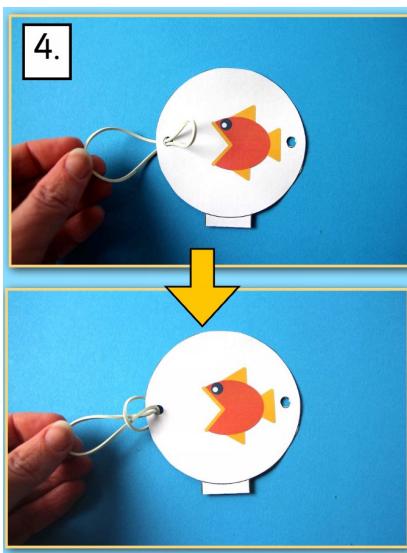
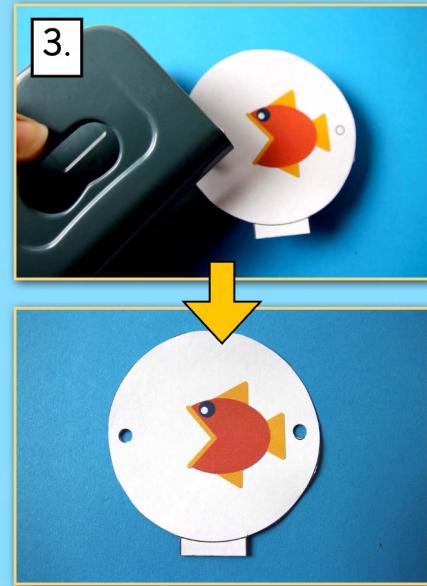
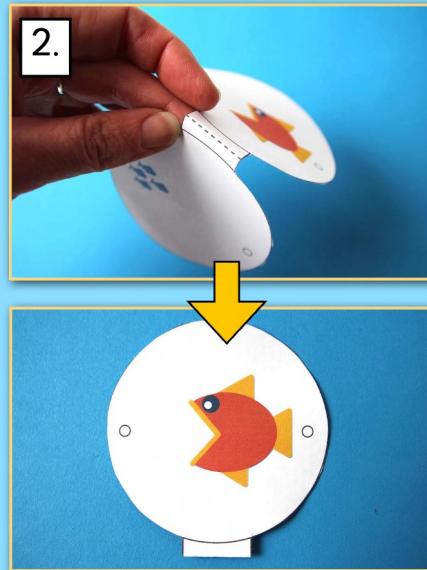
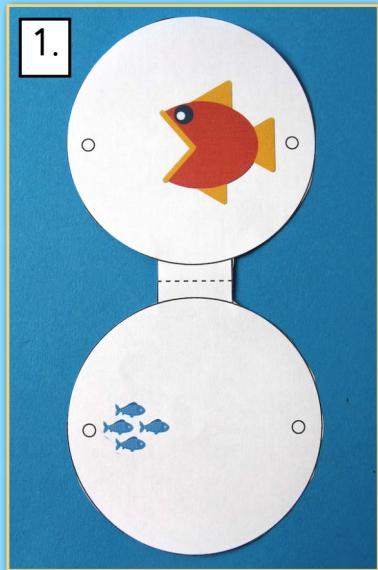
Click the photos to view the videos





The **illusion** is created because the two images spin together so fast that your eyes tell your brain that they are just seeing one image – even though you know you are not!





Finally, wind up your

