



Making Magic Kit

Kit Contents:

- Instructions and Booklist
- Thaumatrope page
- Paper straw
- Glue dots
- Kaleidocycles – Frog, Butterfly, and Blank
- Nature Print Paper (keep out of sunlight!)
- Lucky Star paper strips
- 1 Sheet shrink plastic
- 1 piece parchment paper
- Wishing dust in bottle



Additional supplies from home:

- Scissors
- Tape or a glue stick
- Crayons, markers, or colored pencils
- Permanent markers, like Sharpies
- A straight edge, like a ruler
- Leaves, flowers, twigs, and other natural items from outside
- A shallow dish or pan
- An oven or toaster oven
- Your imagination!

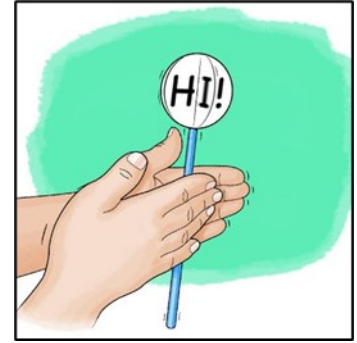


Now that you have your kit, get ready to make some magic at home and outside with these six activities. Then check out some magical reads from your local library!

Make a Thaumatrope!

A thaumatrope is a simple spinning toy that creates an optical illusion! Its name comes from the ancient Greek for “wonder turner.”

Thaumatropes are simple to make. Color in parts A and B of your chosen template, either the pre-made dragon picture or create your own design on the blank template—each side should have part of the picture—and cut the template pieces out. Using the included glue dots, attach the pictures to one end of the straw and rotate the straw quickly with your hands. The pictures should merge together to become one while they spin!



Make a Kaleidocycle!

Time to make a paper fidget toy called a kaleidocycle or flexangle. It cycles through a set of pictures or images. Your kit includes an animal life cycle template (frog), a butterfly template, and a blank template for designing your own with fun colors and patterns. It can be a little difficult to color the images while they are broken up—remember that each complete image will be in a straight line of diamonds across the page before you fold your kaleidocycle.

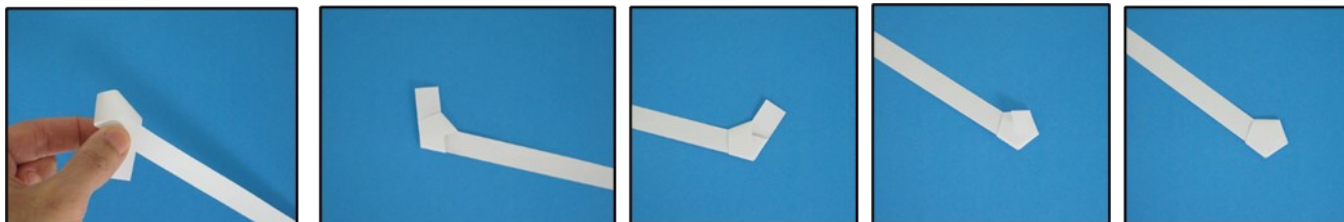
Assemble your kaleidocycle:

1. Color in the images or design using markers, crayons, or colored pencils. If you use markers, make sure the paper has a little time to dry before you start folding so it stays crisp.
2. On the life cycle templates you may find it helpful to pre-fold the template before you cut it out. You do not need to score the fold lines like it says on the template since they are not printed on cardstock.
3. Cut out the figure on the heavy black lines. Be sure not to accidentally cut off the tabs at C and D—follow the arrows to the edge of the paper.
4. Fold all the vertical lines with the picture side together (valley fold). Fold all the diagonal lines with the blank side together (mountain fold). Make the folds crisp—running a ruler or your finger firmly along the fold can help.
5. Gently encourage the model to make a tube of triangles by lining up the points on the top edge with the glue flaps along the bottom edge. Glue or tape the pointed flaps over the glue flaps.
6. Bring the tabbed end to the open end and glue or tape the tab flaps inside the open end. If you used glue hold it in place until it dries.
7. Pull on the outside edge while gently pushing up from underneath the center to cycle through your images!

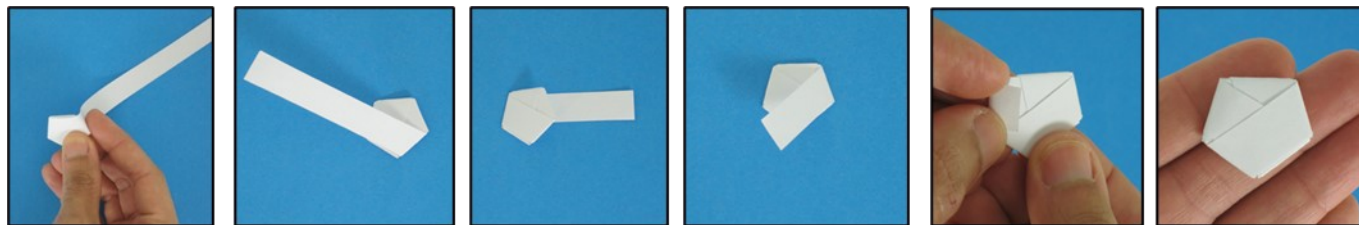
Make Lucky Stars!

Origami Lucky Star Instructions – adapted from origami-instructions.com

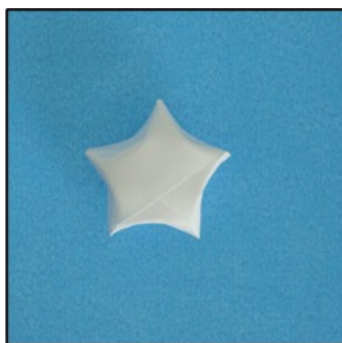
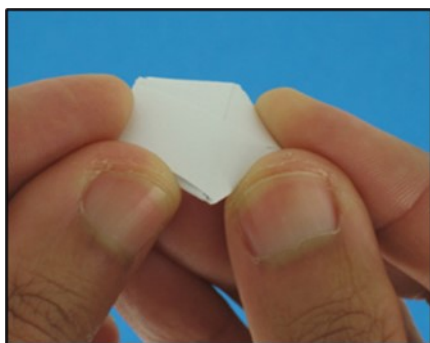
Start with one of your paper strips. You can make additional strips by cutting a piece of printer paper from the long edge so they measure 11 inches by ½ inch. On one end of the strip “tie” a knot and flatten it. Then flip the knot over and tuck the short end into the knot.



Now take the long end and begin wrapping it around the knot so that it folds flat around the five edges of the knot. Wrapping should not change the shape of the knot—it should stay a pentagon. Once you have wrapped the long end until there is only a small tail, tuck the tail under the previous layer of paper.



That’s all the folding done and we’re on to the most fun part: inflating the star! Pinch your thumbs and forefingers together gently so you can place them on four (4) of the five (5) edges of your star. Carefully, press inward on all four edges to inflate your star and make your points. Shift your fingers so you can press in the final edge and your star is complete!



You can do all kinds of things to make magic with your lucky stars:

- Fill a clear jar with colorful stars to decorate a room and remind everyone to smile
- Write wishes on one side of the paper strip before you fold the stars
- Give lucky stars to friends and family who need a little bit of extra luck!
- Teach someone else to make lucky stars and share the magic!

Make a Sun Print!

Use the power of sunlight to take an image of anything you like! It will be a simple dark/light image, so pick something solid enough to block light to make sure you get a good print. And **DO NOT** expose your sun print paper (the 5"x7" blue paper) to sunlight until you want to take your print.

Instructions:

- Decide what you will make a print of—great options include leaves and flowers from outside, but anything with a distinct shape will work. You could even take a print of your hand if you can hold it still for 2 minutes!
- Once you have that decided, place your sun print paper on a stiff, flat surface like a piece of cardboard or a hardcover book. Make sure to do this inside away from windows. Only the natural UV light from the sun will make a print.
- Arrange your item(s) the way you want the image to come out on top of the paper. If your items move too much you can wrap cling film over everything to keep it in place.
- Move the paper into direct sunlight, either outside or at a window. Leave it there until the paper you can see fades to white. This should take about 90 seconds. Count to 100 while you wait to make sure!
- Take the printing setup out of the sunlight and place the blue paper in a water bath. You can do this by stopping your sink or by filling a cake pan with water. The image will fade in the water.
- Let dry! The image will develop as it dries.



Make a Magical Creature!

Now it's time to let your imagination run wild! You can make any kind of magical creature you want: a fairy, troll, dragon, unicorn, or something from a book or inside your head. You can either plan your creature on a piece of paper or draw directly on to the shrink plastic.

Some tips before you start:

- ♦ If you plan to use colored pencils, draw on the rough side of the plastic; if you plan to use permanent markers draw on the smooth side.
- ♦ For the best result in this project, keep your original drawing smaller than half of the plastic sheet.

When you are happy with your drawing cut it out with scissors—have a grownup help! Leave a little space around the edge of your drawing when you do this. Now to shrink your creature.

Baking Instructions – For Grownups

1. Heat your oven or toaster oven to 350°
2. Place the included parchment paper on a baking tray. Place your shrink plastic creature on top of it.
3. Put tray in oven to bake for 2-3 minutes. Keep a close eye on the plastic as it shrinks since every oven is different. The plastic may curl a bit as it shrinks, but it should become flat as it finishes shrinking.
4. Remove from oven and allow to cool.

Make a Home for Your Creature!

You've made your creature and now it needs a home! Think about where a creature like yours would live. Would it live in a tree, under a rock, or maybe inside a bush? Or does it live in a flowerpot, an old boot, or a crack in a wall?

Using only materials you have at home or can find outside, make your creature's home and put your creature by it. Try to only use twigs and leaves that have already come off of trees instead of pulling them.

Take a picture of your creature in their home and share it with friends and family to spread the magic!



Make a Wish!

Sprinkle a little of your bottled stardust to make a wish. This is safe to do outside as it will break down on its own instead of sticking around like plastic glitter.

Magical Reads

Picture Books:

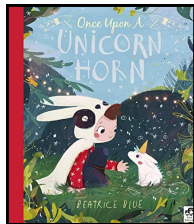
Once Upon a Unicorn's Horn – Beatrice Blue

A Fairy Friend – Sue Fleiss

The Blue Bird's Palace – Orianne Lallemand

The Magic of We – Danielle Anderson Craig

The Magician's Hat – Malcolm Mitchell



Creature Encyclopedias:

The Book of Mythical Beasts and Magical Creatures – Stephen Krensky

An A to Z of Monsters and Magical Beings – Aidan Onn



Graphic Novels:

Hereville: How Mirka Got Her Sword – Barry Deutsch

The Tea Dragon Society – Katie O'Neill

Korgi – Christian Slade



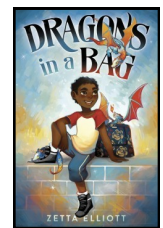
Chapter Books:

The Unicorn Rescue Society Series – Adam Gidwitz

Dragons in a Bag – Zetta Elliot

Pip Bartlett's Guide to Magical Creatures – Jackson Pearce

The Once Upon a Fairy Tale Series – Anna Staniszewski



MAKE YOUR VERY OWN PHOTO KALEIDOCYCLE

for complete directions with pictures go to foldplay.com (click on kaleidocycle).
watch the slide show before constructing your first kaleidocycle.

SUMMARY OF DIRECTIONS

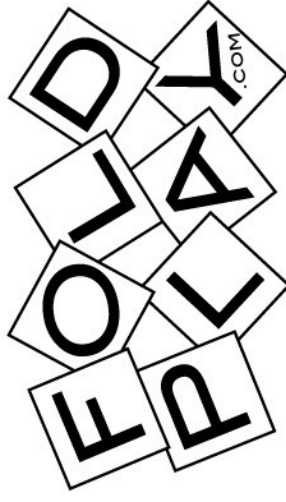
1) print on light cardstock or standard printer paper.

2) score **all** vertical and diagonal lines before cutting.

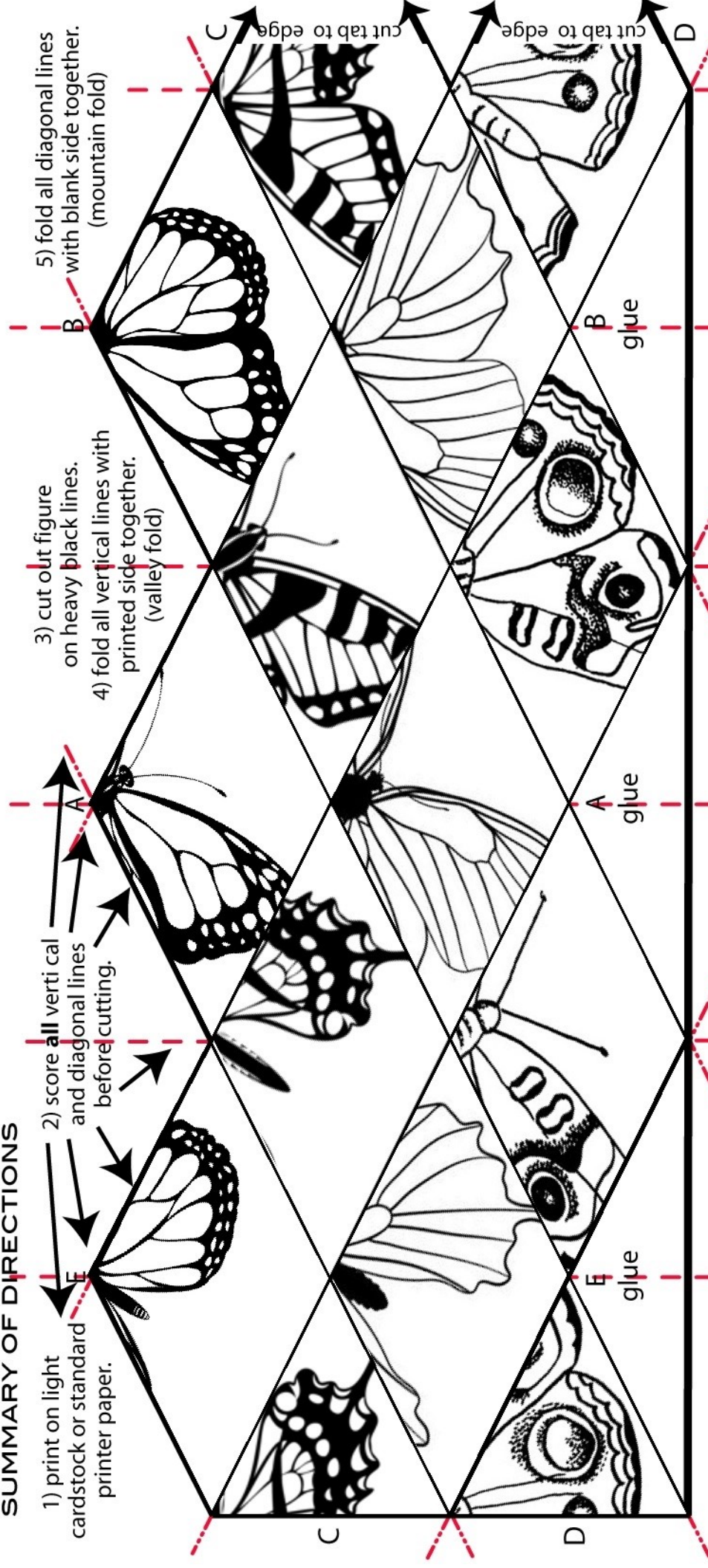
3) cut out figure on heavy black lines.

4) fold all vertical lines with printed side together. (valley fold)

5) fold all diagonal lines with blank side together. (mountain fold)



detailed instructions, illuminating videos, & more fun stuff at



6) gently encourage the model into a tubular form by pushing the two points labeled A towards each other.

7) glue the diamond-shaped point A onto white triangle A.

8) glue the diamond-shaped point B onto to white triangle B.

9) bring the tab C to edge C forming a ring. glue the printed side of tab C to the blank side of edge C using the vertical fold as a guide. don't make the ring too tight. the picture overlaps a bit to give the model play.

10) glue the printed side of tab D to the blank side of edge D using the vertical fold as a guide.

11) glue the the diamond-shaped point E onto to white triangle E.
you're done! (after the glue dries.) pull on the outside edge while pushing up from underneath to "turn" your kaleidocycle.

MAKE YOUR VERY OWN PHOTO KALEIDOCYCLE

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5) fold all diagonal lines with blank side together. (mountain fold)

6) gently encourage the model into a tubular form by pushing the two points labeled A towards each other.

7) glue the diamond-shaped point A onto to white triangle A.

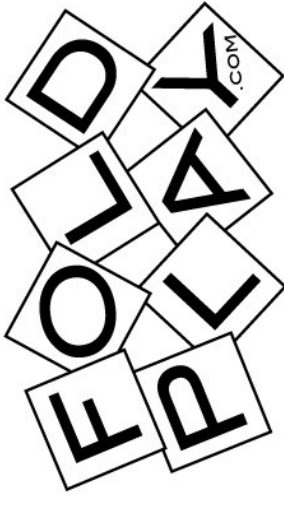
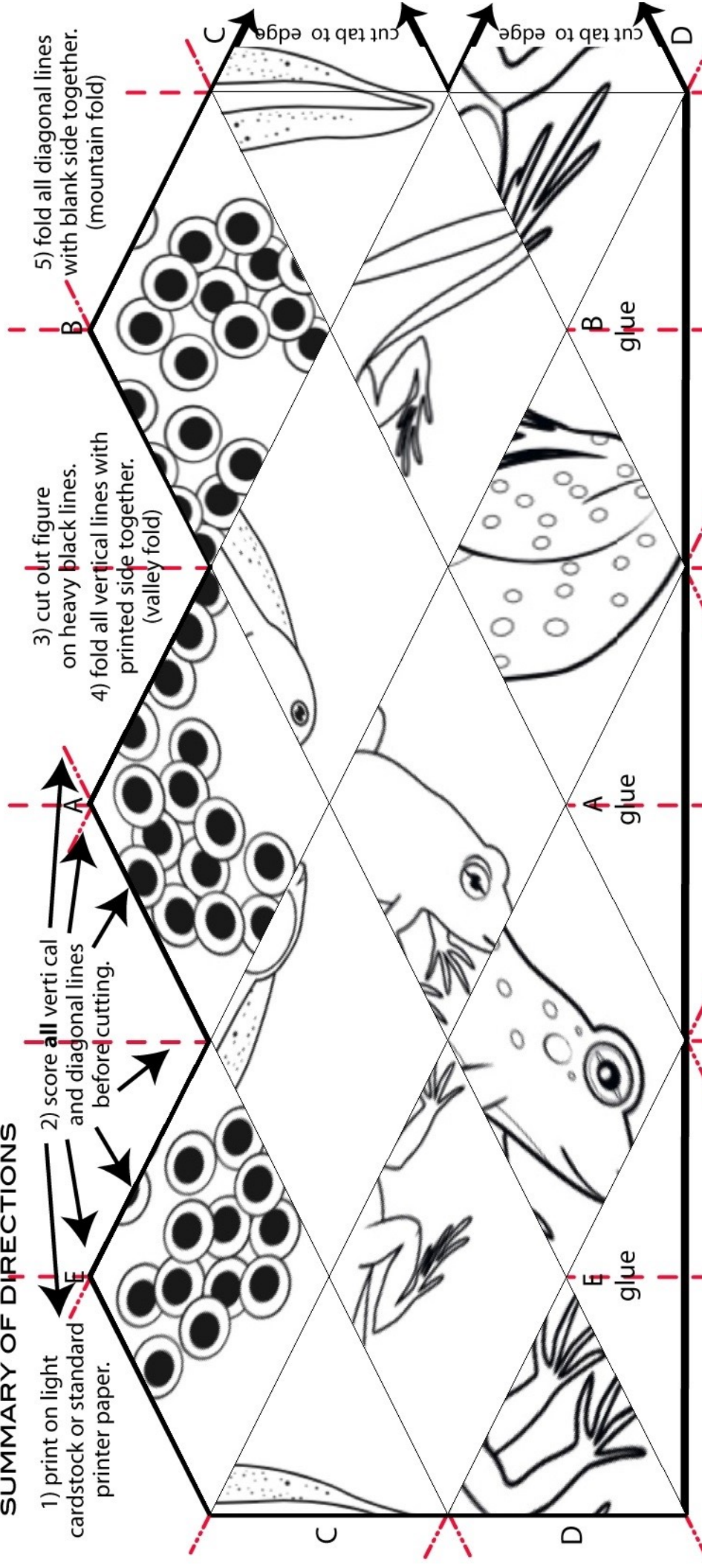
8) glue the diamond-shaped point B onto to white triangle B.

9) bring the tab C to edge C forming a ring. glue the printed side of tab C to the blank side of edge C using the vertical fold as a guide. don't make the ring too tight. the picture overlaps a bit to give the model play.

10) glue the printed side of tab D to the blank side of edge D using the vertical fold as a guide.

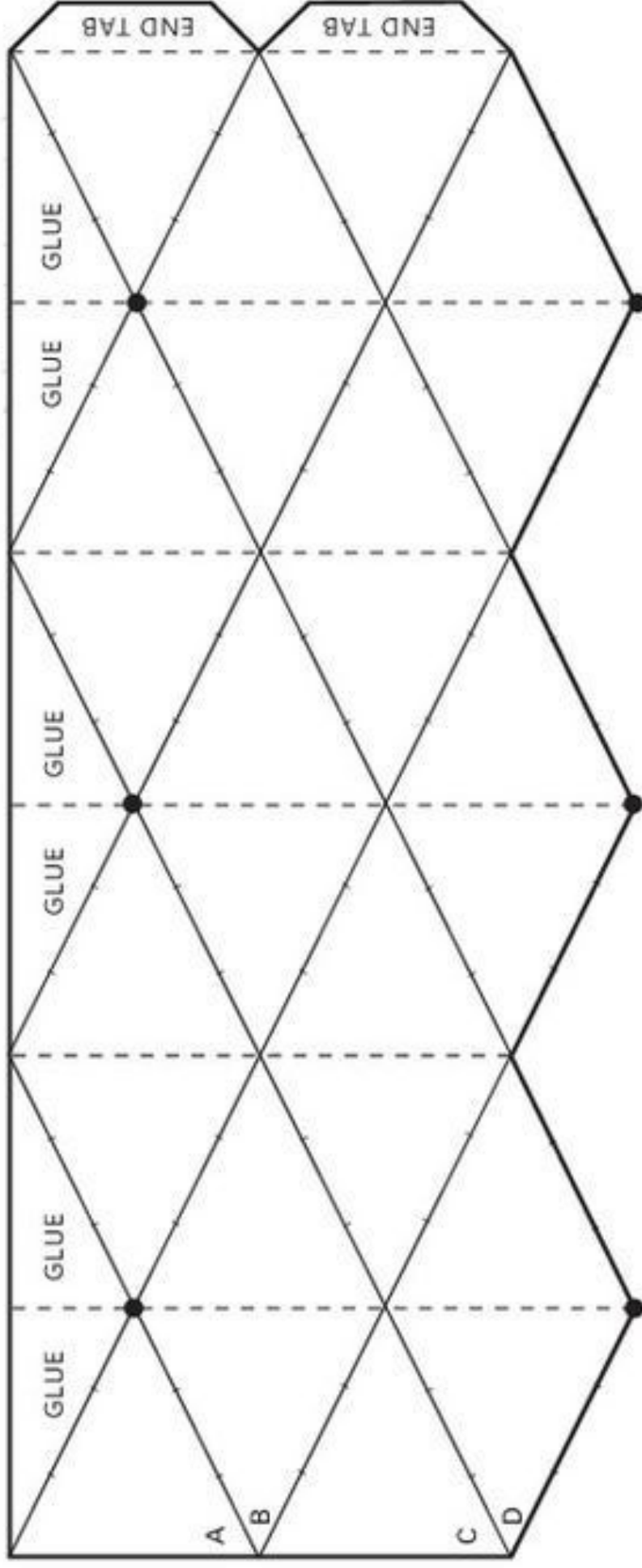
11) glue the the diamond-shaped point E onto to white triangle E.

you're done! (after the glue dries.) pull on the outside edge while pushing up from underneath to "turn" your kaleidocycle.



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Flextangle Template

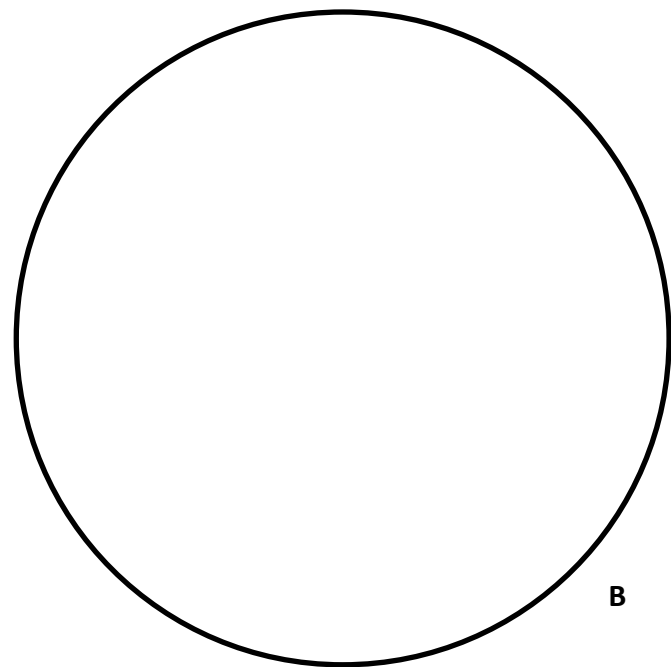
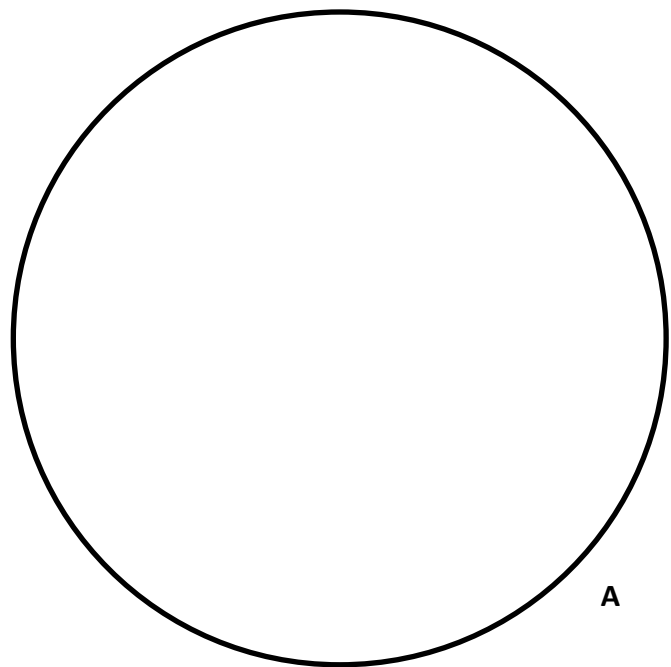
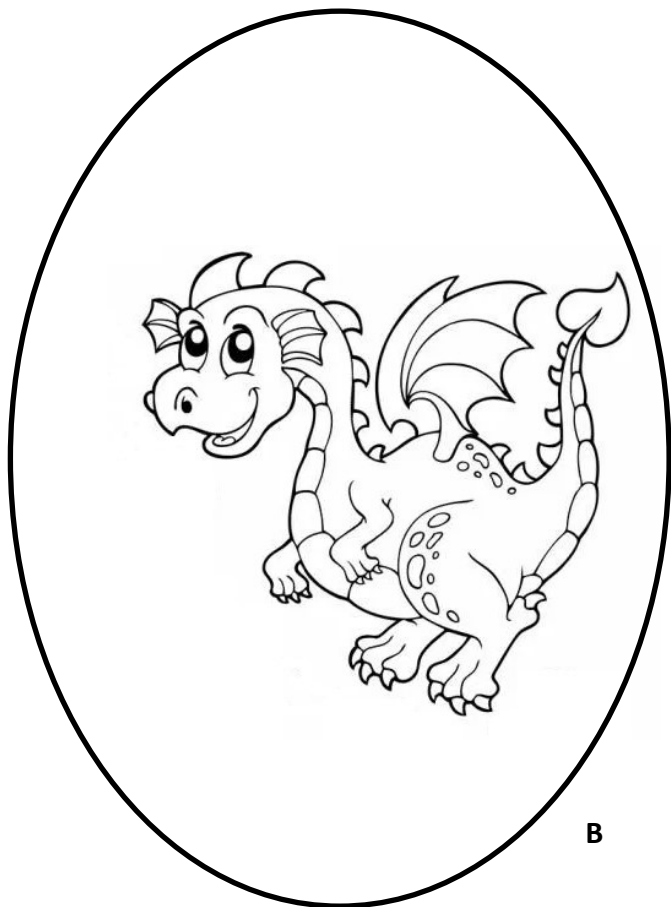
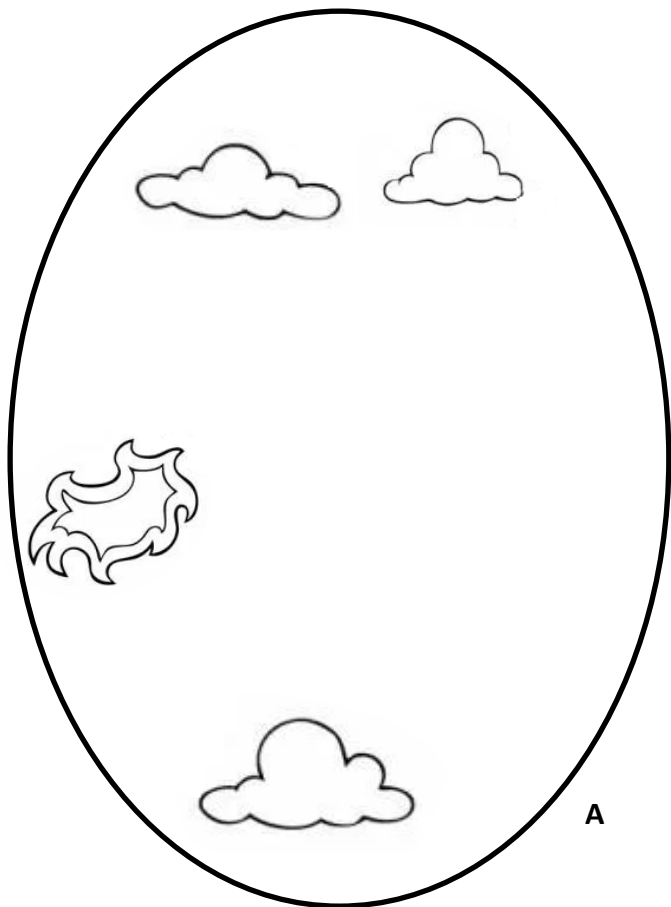


Pattern Guide



Instructions:

1. Draw different designs in each row of triangular sides. Refer to Pattern Guide for row layout. Be sure to connect the designs at the tick marks.
2. Cut along bold line.
3. Crease dashed lines face to face. Unfold.
4. Crease diagonal lines back to back. Unfold.
5. Gently fold paper to match dot to dot and form a tube.
6. Add glue on tabs marked GLUE and press together.
7. Add glue on end tabs and tuck into open end of tube. Press to seal.



Make a Thaumatrope!

The instructions are simple, just color in the two parts, either of the dragon picture or create your own design on the blank template—each side should have part of the picture—and cut the circles/ovals out. Using the included glue dots, attach the pictures to the straw and rotate the straw quickly with your hands. The pictures should join together to become one while they spin!