

Year 4 Practical Activities w/c 18th May 2020

Have a look at the following activities. Why not try some of them out? You could send a photograph of your work to your teacher at year4@brampton.newham.sch.uk.

English

Look carefully at the picture below. Answer the following questions:

- Why is the black cat the only cat looking at the witch?
- Why did the witch come here? Was she just passing or did she come to the shop for a reason?
- What is the 'something familiar'? Why?
- Do the witch and the cat already know each other?
- What do you think is going to happen? Now tell this story.

Credit: <https://www.onceuponapicture.co.uk/the-collections/the-character-collection/>

You could start your story in the following way: Once upon a time, there was...

SOMETHING FAMILIAR



Credit: Peter de Sève

Mathematics

Music to My Ears practical activity – credit: <https://nrich.maths.org/>

This is a very practical activity – you might like to use some musical instruments, for example a drum or a triangle, rather than using your hands and parts of your body.

Begin a rhythm: clap, clap, click (your fingers), clap, clap, click, clap, clap, click, clap, clap, click...

- What will you be doing on the 15th beat?
- How do you know this without actually doing it?
- What will you be doing on the 20th beat?
- Again, explain how you can predict this.
- How about on the 99th beat?
- What would you be doing on the 100th beat?

If there is someone else with you, ask them to come and join in. If you're on your own, it doesn't matter, you'll just have to imagine that someone else is there.

You and your friend are going to both start a different rhythm at the same time.

You will do clap, clap, click, clap, clap, click ... as you did before.

Ask your friend to do click, clap, clap, click, clap, clap, click, clap, clap...

Have a go so that you get a steady rhythm going.

- If you both start at the same time, when will you both click your fingers at the same time? Why?
- Are there other ways that you could have clapped and clicked for this to be the case?
- How could you change your rhythms so that you do click at the same time?
- How could you predict when this was?

PSHE

What does it mean to be appreciative?

Create a poster with your ideas. Try to include the following features we learnt about in English: a heading, sub-headings, pictures, captions/labels, quotes (you could pose the question above to your family members and friends and see what they think) paragraphs and bullet points.



ACTIVITY:
CREATIVE

INTO
FILM
CLUBS

Make a Thaumatrope

Thaumatropes were very popular toys during the 1800s. These toys achieve their effect due to the persistence of vision, in the same way as models or drawings in stop motion animation films appear to move.

YOU WILL NEED:

- Scissors
- Glue
- String
- A pencil and sticky tack to make a hole, or a hole punch.

Instructions

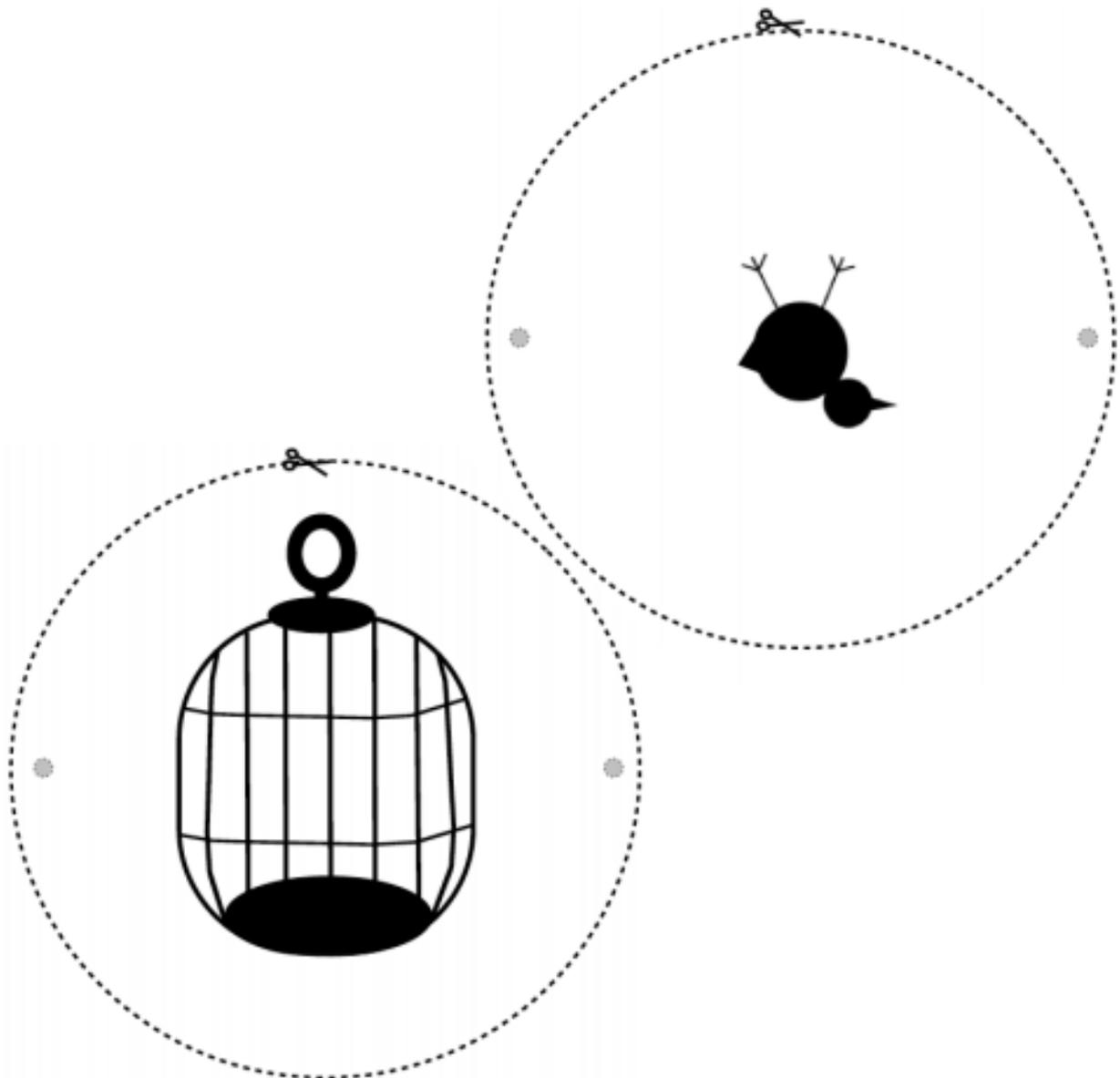
1. First cut out the two circles on page 2, then make a hole in, or hole punch, the shaded circles on the right and left of each image.
2. Stick the two circles of paper together, making sure to keep one image upside down and match the holes on both pieces so that they line up with each other.
3. Attach one piece of string to each of the two holes that you have made.
4. Finally, spin the string quickly in your fingers to see the optical illusion.



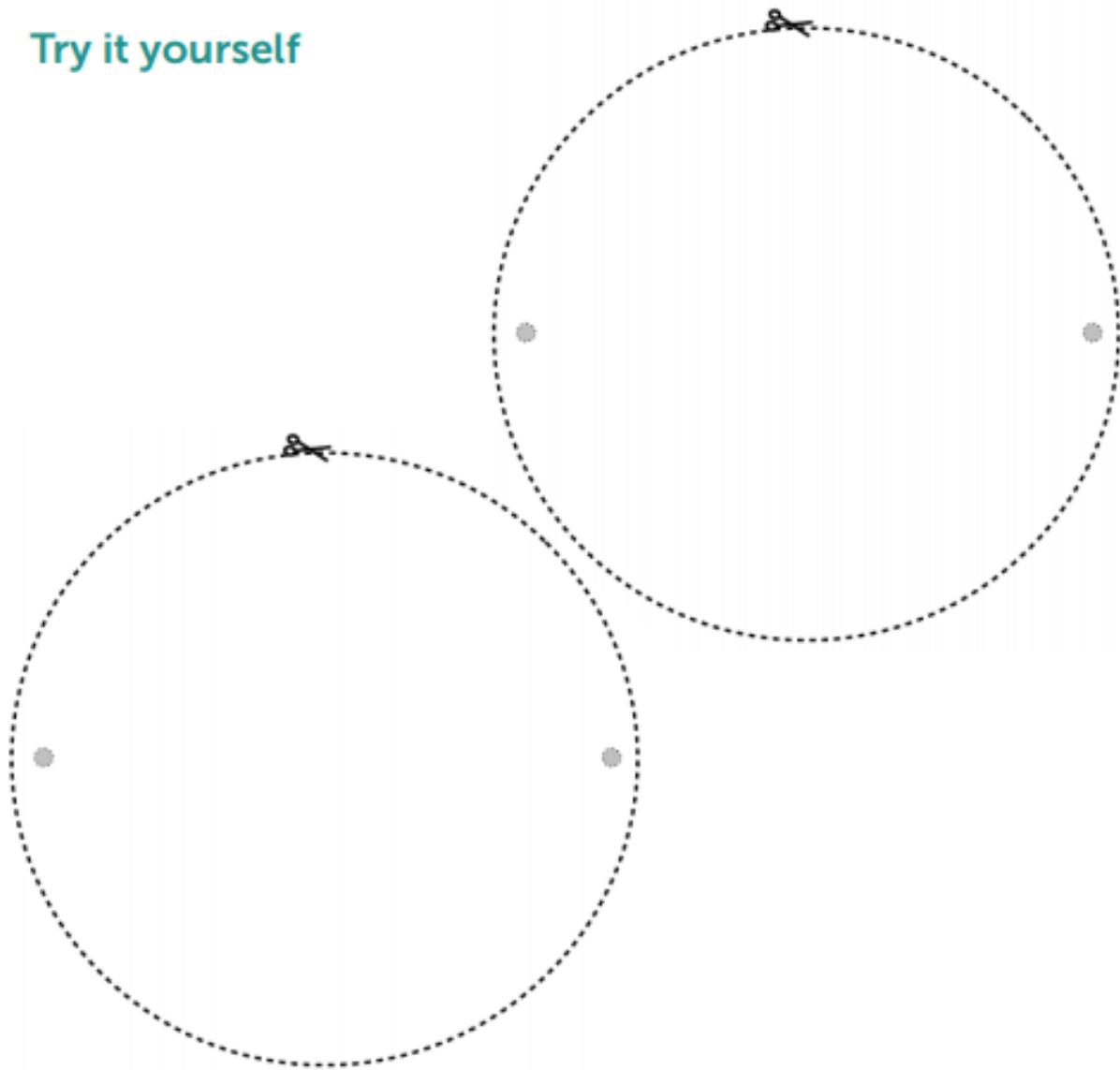
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Try it yourself



Top tips:

1. Use two pieces of paper in case the image that you draw bleeds through to both sides of paper.
2. Keep your drawings in roughly the same space on both pieces of paper.
3. It is not necessary to use a circle of card or paper, any shape will work as long as both pieces are exactly the same.
4. Make sure that you stick the paper together so that one of your drawings looks like it is upside down.

CHICKEN SOUNDS FROM A CUP!

YOU WILL NEED:

- A plastic drinking cup
- Yarn or cotton string (nylon string will not work well)
- 1 paper clip
- Paper towel
- A nail
- Scissors
- Water

WHAT TO DO

1. Cut a piece of yarn about 20 inches (40 cm) long.
2. Ask an adult to use the nail to carefully punch a hole in the center of the bottom of the cup.
3. Tie one end of the yarn to the middle of the paper clip.
4. Push the other end of the yarn through the hole in the cup and pull it through as shown in the picture.
5. Get a piece of paper towel about the size of a dollar bill, then fold it once and get it damp in the water.
6. Now it's time to make some noise! Hold the cup firmly in one hand, and wrap the damp paper towel around the string near the cup. While you squeeze the string, pull down in short jerks so that the paper towel tightly slides along the string. If all goes well – you hear a chicken!

HOW DOES IT WORK?

This is an example of how a sounding board works. The vibrations from the string would be almost silent without the cup, but when you add the cup, it spreads the vibrations and amplifies them (makes them louder.) Pianos and music boxes use wood to act as a sounding board to make the instrument louder.

MAKE IT AN EXPERIMENT:

The project above is a DEMONSTRATION. To make it a true experiment, you can try to answer these questions:

1. What types of string or yarn makes the loudest sound? Which ones make the quietest?
2. Does the size of the cup affect the volume of the sound?
3. Try materials other than a paper towel to see if it affects the volume of the sound.

