

How to make a cup and ball

Supplies

- A paper cup
- A sharp pencil
- Sticky tack
- Sticky tape
- Scissors
- String



- Tinfoil
- Pens or crayons



1 First, decorate around the sides of the paper cup using pens or crayons. You may like to draw pictures or patterns or just colour the cup.



4 Next, tape one end of the string inside the cup with the rest of the string on the outside of the cup.



2 Next, ask an adult to help you make a hole in the bottom of the cup. Put the cup onto a ball of sticky tack and then push a pencil through the bottom of the cup and into the sticky tack.



5 After that, tape the other end of the string in the middle of a sheet of tinfoil.



3 Then, cut a length of string about 50cm long.



6 Next, scrunch the foil sheet around the end of the string to create a ball. (Making sure that the ball is small enough to fit inside the cup.) Now you can try to catch the ball in the cup by swinging and flicking the cup!

SILOUHETTE DRAWING

WHAT YOU NEED:

- Torch (and a dark room)
- Paper (white & black)
- Pencils
- Poster/clip board
- Masking tape
- A friend to trace your silhouette



WHAT YOU DO:

1. Tape a piece of white paper to the wall in a dark room.
2. Place the torch on a table. Shine the light at the white paper.
3. Sit between the light and the paper so that your shadow appears on the paper (this creates a profile)
4. Have a partner trace around your silhouette onto the paper.
5. Remove the paper from the wall and make sure your lines are smooth.
6. Next, cut the silhouette out of the paper, place onto black paper
7. Trace around it and cut it out.
8. Glue the black silhouette onto white card/paper

BIRD IN A CAGE

WHAT YOU NEED:

- square piece of lightweight cardboard (an old cereal box is perfect)
- String – two pieces, each approximately 3 ft long.
- Copy of bird and cage circles
- Glue
- Scissors
- Hole punch
- Crayons or markers

WHAT TO DO:

1. Colour in the bird using bright colours.
2. Cut out the two circles (cage and bird)
3. Glue the cage circle to the cardboard.
4. Cut around the cardboard to match the circle
5. Glue the bird circle to the other side of the cardboard. ** Line up the small black triangles on the two circles – they should be pointing in the same direction! **
6. Punch four holes as indicated.
7. Thread a piece of string through the two holes on the left side. Tie the ends together to make a loop.
8. Thread the other piece of string through the holes on the right side and make a loop.
9. To see the illusion, hold one loop in each hand, and wind (twist) the strings. Pull the loops apart

