DIY > Deco Activities > Decorative Mechanics Projects > Sign 5 - Xmas Christmas Cup

Snowy Christmas Cup

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Ages 12 +

1 h 30 min - 2 h 30 min

Difficulty: Medium

Let's create a fun snow globe cup for Christmas Eve!

Materials Needed

Mini santa
Mini snowman
Mini Xmas tree
Plastic cup
Fake snow
Fine glitter
Double sided tape
Hot glue gun
Pencil
Ruler
Scissor
Knife
Paper

Step-by-step tutorial

Step 1

Measure and score the dimensions of the plastic cup.

Step 2

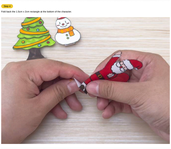
Using markers, draw your favourite character on white paper. Draw a 1.5cm x 3cm rectangle at the bottom of the character as shown. Make sure the character is visible from the cup! (Alternatively use the mode)

Step 3

Cut out the character along the edges using scissors.

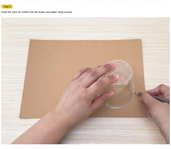
Step 4

Fold back the 1.5cm x 3cm rectangle at the bottom of the character.



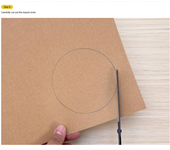
Step 5

Trace the cup's rim onto cardboard using a pencil.



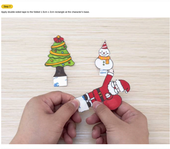
Step 6

Carefully cut out the traced circle.



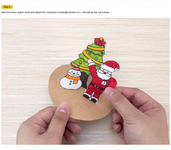
Step 7

Apply double sided tape to the folded 1.5cm x 3cm rectangle at the character's base.



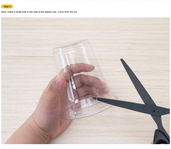
Step 8

Take the cardboard paper circle and attach the characaters's rectangle portion to it. We will be the cup's base.



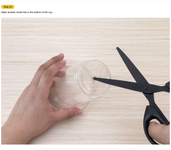
Step 9

Now, make a small hole in the base of the plastic cup. Click here for this.



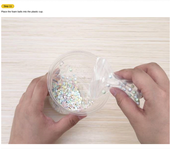
Step 10

Make another small cutout in the bottom of the cup.



Step 11

Place the triple balls into the plastic cup.

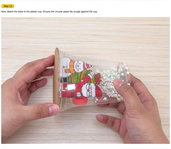


Step 12

Using the hot glue gun, apply glue around the cup's rim.

Step 13

Now, attach the base to the plastic cup. Ensure the circular paper fits snugly against the cup.



Step 14

Insert the snow into the side hole of the plastic cup.

Step 15

Now, fill up the liquid into water to make the foam balls float inside the cup.

The Science Behind It:

Bernoulli's principle is a law in fluid dynamics. In fluids, pressure decreases when flow speed increases, and pressure increases when flow speed decreases. When flowing air through the rim of the cup, the increased airflow speed reduces air pressure inside, creating an upward force that makes the foam balls float.