



A telescope is an instrument that helps make distant objects appear closer. Today, telescopes are used to study planets, stars and other objects in outer space. Telescopes were used to look at far distances in the West. Make a telescope and have fun watching for birds, planes or bees. Telescopes can help you focus on things around you in a different way!

## Make Your Own Telescope

You Will Need:

- Paper towel roll, Pringles can other large round container
- Paints
- Markers
- Stickers

Optional:

- Xacto blade
- Sheet of Acetate
- Two magnifying lenses
- Glue
- Duct tape

Instructions for cardboard tube telescope:

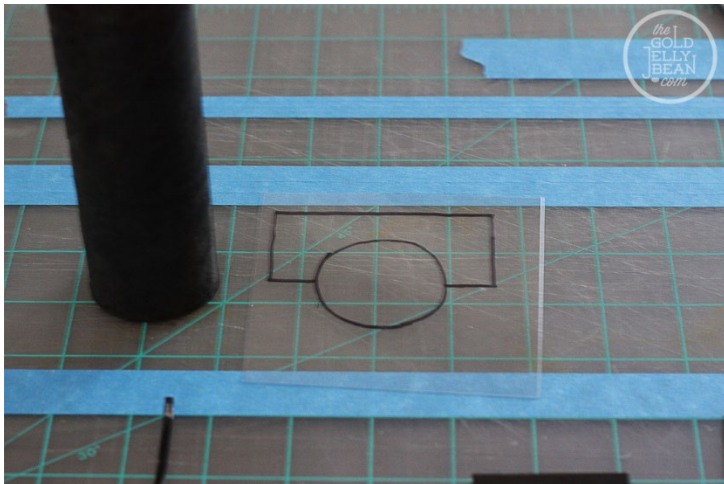
1. Paint, color and decorate the telescope

2. Enjoy!

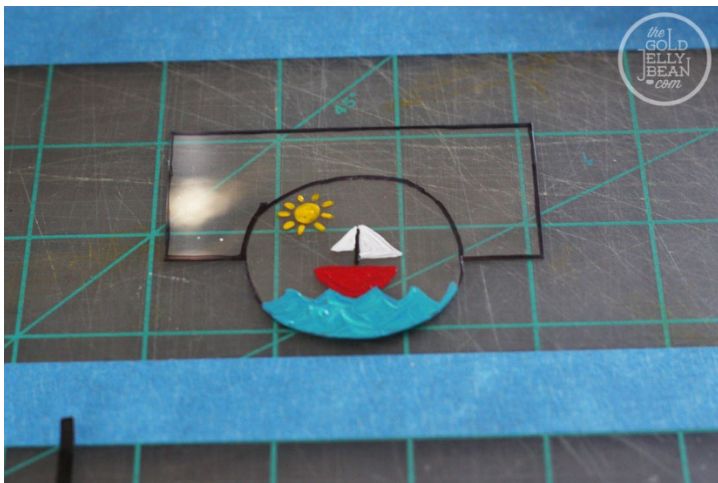
Instructions to create slides for your telescope:

3. Use the cylinder as a template and draw a circle onto the plastic sheet.

4. Add rectangle to top half of the circle to create the slide shape. This will work as a handle and allow you to pull the slides out of their telescope.



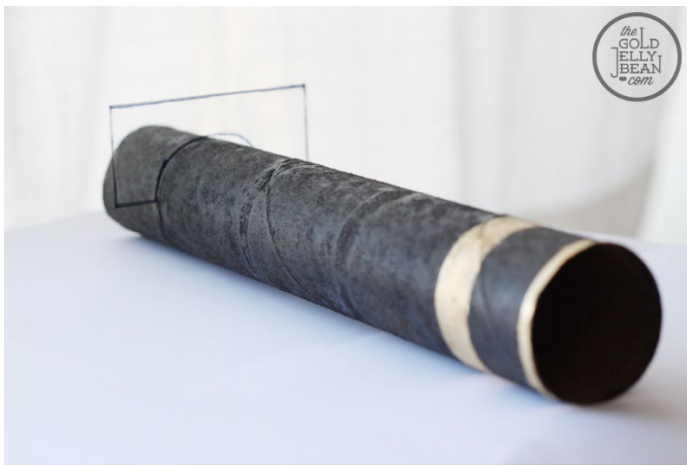
5. Carefully cut out the shape



6. Cut a slit half way through your telescope



### 7. Insert your slide



<http://thegoldjellybean.com/2012/06/diy-make-your-own-telescope-kids-craft.html>

**Younger children:** Telescopes are great for watching birds. Go outside or look out a big window. Then ask your child where he thinks he'll see birds. In a tree? In the sky? On the sidewalk? On the grass? Encourage him to find birds with his telescope and describe them to you.

**Older children:** Have your child to go outside with the telescope around dusk. She can look across the sky to find stars, airplanes, satellites—maybe even a shooting star. Use an app or a book to look up constellations together, and see if she can find some of them.

Instructions to add magnifying lenses:

8. Attach one lens to one end of the tube. If the magnifying lens is too small to be glued inside, wrap tissue paper or duct tape around the outer edge until it's thick enough to fit inside the end of the tube. If the lens is too large to fit inside, glue the magnifying glass to the end of the tube.
9. Attach your second lens to the other end of the tube.

[https://www.ehow.com/how\\_4885163\\_make-kids-telescope.html](https://www.ehow.com/how_4885163_make-kids-telescope.html)