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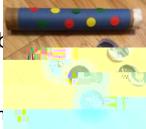
# Make A D } Φelescope

Imagine the universevith a u } o telescope!

### Materials Needed:

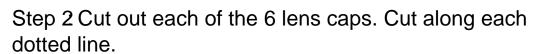
Paper towel tube, scissors, tape, decorating materials (colorful paper, stickers, sequins, etc.), Lens Caps Printal

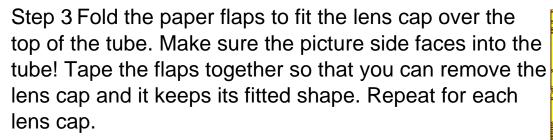
\*You can make your own lens caps by drawing on a piece of paper or cutting out pictures from magazines. The visible image should be a circle about 1.75 inches (4.5 cm) in diameter, with a 0.5 inch (1.25 cr border so it will fit over the end of the tube.



#### Instructions:

Step 1 Decorate a paper towel tube for your telescope. Use colorful paper, marke, rstickers, sequins, or whatever you have available eave 1 inch (2.5 cm) clear of decorations at one end of the tube.





Step 4 Place a lens cap on the end of the tubeok through the other end. The tube lets light in, which allows your eyes to see the picture.



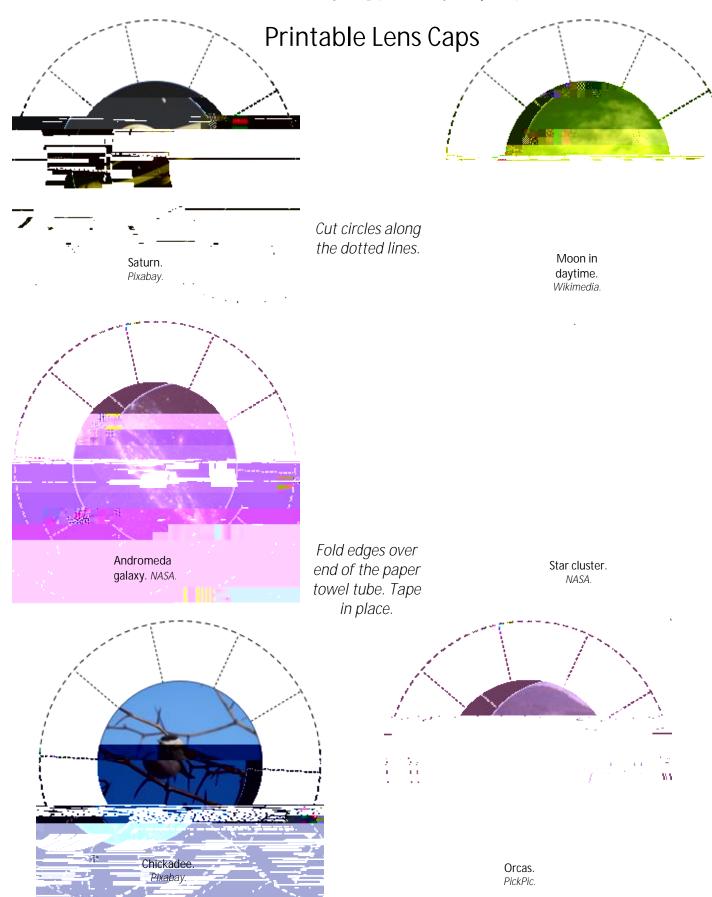


Explore outer space and wildlife enes with the different lenses!

Use the toy telescope without a lens and practice finding objects that are far away!



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## Discover Telescopes

### How Do Telescopes Work?

We are limited in how far we can see with just our eyes alesse. objects get farther away from us, they become smaller and darker. Our eyes cannot see small amounts of light that are far away. Telescope concentrate light and magnify objects so that we can see them at a much farther distance.

