

TELESCOPE AT HOME!

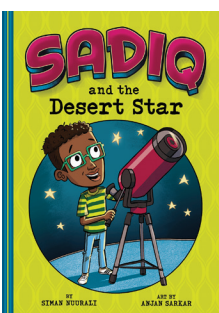
Do you want to build a telescope like the one Sadiq and his friends made? With a few simple pieces, you can make your own telescope and view the moon and stars in the night sky!

WHAT YOU NEED:

- paper towel tubes
- 2 convex lenses (from old reading glasses or ordered online)
- scissors
- tape
- paint
- markers
- crayons

WHAT TO DO:

1. Take one of the paper towel tubes and use a pair of scissors to cut through it lengthwise until it is open. It should look like the letter *U* from the side. Close it so one side overlaps the other.
2. Put the tube you've cut into the other paper towel tube and let it expand so it fits tightly.
3. Place one of the lenses on the outside of the inner tube with the curved side facing into the tube. Tape it to make sure it stays in place.
4. Place the second lens on the outside of the outer tube with the curved side facing away from the tube. Tape this in place, making sure to not cover up too much of the lens with tape.
5. Using paint, markers, crayons, and whatever art supplies you'd like, decorate the tubes to make your telescope look cool!
6. At night, use the telescope to look at the stars and the moon! Make sure you don't use the telescope to look at the sun during the day.



Activity from *Sadiq and the Desert Star*
By Siman Nuurali, illustrated by Anjan Sarkar
(Sadiq book series)

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