

## Activity: "My child made a toilet paper roll telescope"

### Science

- The child learned about the concept of light and how it travels through the telescope.
- They explored the idea of magnification by observing distant objects and making them appear closer.
- The child learned about the properties of materials, such as the stiffness of the cardboard tube and the transparency of plastic wrap.
- They gained an understanding of how to construct a simple tool using everyday materials.

Encourage your child's curiosity by further exploring the world of telescopes. You can introduce them to different types of telescopes like refracting and reflecting telescopes, and discuss their uses in space exploration and astronomy. Encourage them to experiment with different magnification levels by using different lenses or adjusting the distance between the lenses. You can also encourage them to explore other ways to make simple tools using household items.

### Book Recommendations

- [The Darkest Dark](#) by Chris Hadfield: This book tells the story of a young boy who overcomes his fear of the dark and becomes inspired to become an astronaut, exploring the wonders of space.
- [Astronomy for Kids: How to Explore Outer Space with Binoculars, a Telescope, or Just Your Eyes!](#) by Bruce Betts: This book introduces young readers to the basics of astronomy, including observing the night sky and using simple tools like binoculars and telescopes.
- [Look Up with Me: Neil deGrasse Tyson: A Life Among the Stars](#) by Jennifer Berne: This book tells the story of astrophysicist Neil deGrasse Tyson and his love for the universe, inspiring young readers to look up at the stars and explore the wonders of space.

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