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# ISABEL AND THE INVISIBLE WORLD

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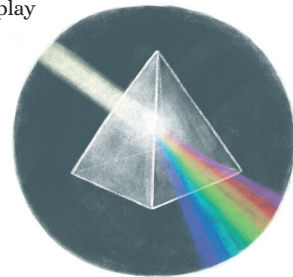
Isabel wants to see invisible things, so her mother unveils the hidden world of light waves—the ones you can see and the ones you can't.

Use *Isabel and the Invisible World* in your classroom to inspire investigation and patience.

## mit Kids Press • TIPS FOR TEACHERS

## ISABEL AND THE INVISIBLE WORLD

- Use prisms to explore how light can be manipulated. Provide prisms and ask what students see when light shines through them. What about when they look through them? Select some spots in the classroom to leave a prism, then note when during the day it separates light. Make a chart of which locations result in colors and when and where those colors appear.
- Prisms allow us to see the colors that make up light. Ask your students, “What are some other tools that we use to see things our eyes cannot alone?” Provide students with magnifying glasses or microscopes and have them investigate what they can see. Then have them draw something they have seen magnified.
- Isabel feels impatient when her mother tells her the secret will have to wait until her birthday. Ask your students what Isabel does to address that feeling. Discuss as a class ways to cope with the feeling of impatience. What strategies can you use? What works and what doesn't? Make a list of strategies together for display and then have everyone decorate it.
- The note at the end explains how many waves of red and blue light it takes to stretch one inch. Find a chart of all colors and see how many waves each would take to stretch an inch.



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