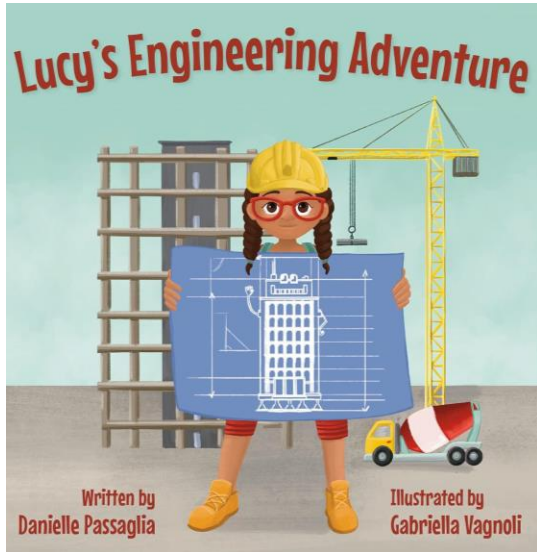


Discussion Guide for Families



Lucy's Engineering Adventure

Author: Danielle Passaglia

Illustrator: Gabriella Vagnoli

Themes: Environment and Sustainability

Book Brief: Join Lucy as she explores how buildings work on an exciting engineering adventure with her father. Through rhymes and relatable metaphors, this picture book introduces children to building and HVAC engineering while inspiring curiosity and interest in STEM careers.

READ ALOUD

Before Reading: Build Background

- Ask your child “Why do you think buildings need heat and air conditioning? What might happen if a building gets too hot or too cold? Let’s read to see how Lucy learns more about how buildings work with her dad!”

While Reading: Make Connections

- How does Lucy feel about going to work with her dad, and how do you know?
- Why do Lucy and her dad wear safety gear like hard hats and glasses while exploring the building?
- What are some ways Lucy’s dad explains how the building is like a person, and why are the air ducts so important?

After Reading: Ask Questions

- Engineers love to ask questions to solve problems! What questions do you have about how things work in your home or school, and how might you find answers like Lucy and her dad?

RELATED ACTIVITIES

If your child enjoyed this book, consider:

- Encourage them to talk about it during other conversations.
- Check out RIF’s [Sustainable Futures](#) center to learn more about sustainability with related books and resources.