

Newton and Me

A RIF GUIDE FOR EDUCATORS

Themes: Force, Motion, Physics, Friendship

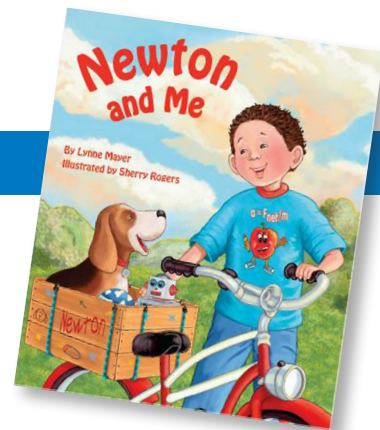
Grade Level: K to 2nd grade

Book Brief: A boy and his dog discover how the laws of force and motion affect their everyday lives.

Author: Lynne Mayer

Illustrator:
Sherry Rogers

Content Connections:
Math, Physics



TIME TO READ!

BEFORE WE READ, LET'S LOOK AT...

The Cover: Look at the title and cover illustration. Who

is Newton? What can you tell about the boy and what he likes to do? What does his shirt mean?

The Pictures: Take a brief walk through the book. What kinds of activities are the boy and dog doing?

Prior Knowledge: Explain that, hundreds of years ago, a scientist named Sir Isaac Newton discovered how force and motion work. What is force? Ask students to brainstorm various meanings.

Vocabulary: surface, notion, force, motion

Purpose for Reading: "As we read, think about what the boy is learning. Be ready to *summarize* what he learned about forces and motion."

WHILE WE READ



MONITORING COMPREHENSION

- ◆ What does the boy learn by rolling the ball on different surfaces?
- ◆ Why doesn't the truck move until he puts it on the hill?
- ◆ Do you think you could push a real car? Why or why not?
- ◆ How is the wind a type of force?



LET'S THINK ABOUT

Our Purpose: "Summarize what the boy learned about force and motion during his day with Newton."

Extending Our Thinking: Ask students to think of a time when they've used *observation and experimentation* to learn more about something. Are you ever too old or too young to experiment? Can you be a scientist even if you don't work in a lab all day? What's the point of figuring things out for yourself if someone else has already discovered them?

NOTE TO EDUCATORS

- ◆ Extension Activities for Educators also available.
- ◆ Vocabulary Scaffolding Sheet also available.



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