"Students too often view what happens in the math classroom as completely removed from and irrelevant to the real world. Modeling bridges this gap."

—Nancy Butler Wolf

In *Modeling with Mathematics*, Nancy Butler Wolf shows that math is most powerful when it means something to students. She provides clear, friendly guidance for teachers to use authentic modeling projects in their classrooms and help their students develop key problem-solving skills, including:

- collecting data and formulating a mathematical model
- interpreting results and comparing them to reality
- learning to communicate their solutions in meaningful ways.

Through detailed examples and hands-on activities, Nancy shows how to guide your students to become active participants in mathematical explorations and shows how instruction focused on mathematical modeling engages every learner regardless of their prior history of success or failure in math.

“Nancy’s in-depth look at mathematical modeling offers middle school teachers the kind of practical help they need for incorporating modeling into their classrooms.”

—Cathy Seeley, Past President of NCTM, author of *Faster Isn’t Smarter* and *Smarter Than We Think*

“Between the stories, the examples, the extensive citing of research, and the way Nancy describes her own transformation as a teacher, I’m confident that you’ll be excited and ready to try modeling tasks with your students as soon as you finish this book.”

—Max Ray-Riek, author of *Powerful Problem Solving*

Nancy Butler Wolf is a national math consultant and curriculum developer who has served as a member of NCTM’s Illuminations Writing Group. She has over 30 years of classroom teaching experience and has presented at various conferences on mathematical modeling and algebraic reasoning.

Grades 5–8 • 2015 • 152pp • $19.00

Discover more at Heinemann.com/Math