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features

416 Tracking Trout: Engaging Students in Modeling
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After months of solving real-world problems, high school students enact the full modeling cycle supported by peers, teachers, and technology.

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432 Making Room for Inspecting Mistakes
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446 Tower of Hanoi: Exploring Multiple Representations
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454 Exploring Quadratic Functions with Logger Pro
Derek Pope
Using technology, students in an extended second-year algebra class engage in an activity that introduces them to quadratic functions.

on the cover

For sure, authors Ahmad M. Alhamouri, Gregory D. Foley, and Kevin Deel have not “gone fishing,” even though the warm days of April call for trout streams. Alhamouri and colleagues have stayed in the classroom and have had their students work through a culminating exercise on modeling trout populations in a unit that brought real-world problem-solving skills home. You can read about this unit, which incorporates statistics, probability, quantitative reasoning, and in-context mathematics starting on page 416. Later, you can turn to Derek Pope’s article on page 454 to see how he involved students in using quadratic equations to model a bean bag toss.

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