Science Instruction in the Middle and Secondary Schools

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Abstract
This text provides the initial scaffolding needed by novice teachers to understand and enact the basics of science teaching—purpose, planning, assessing, teaching, and managing. Included is information on the foundational areas of science education, with numerous vignettes and effective classroom practices in action. The focus is on preparing those entering or new to the science teaching profession to use their understanding of science and engineering to prepare the next generation of Americans for life in the 21st century. It provides ideas and knowledge about how to help students see science and engineering as ways of thinking about and investigating the world around them, and to recognize the relationship between science and engineering in their everyday lives.

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