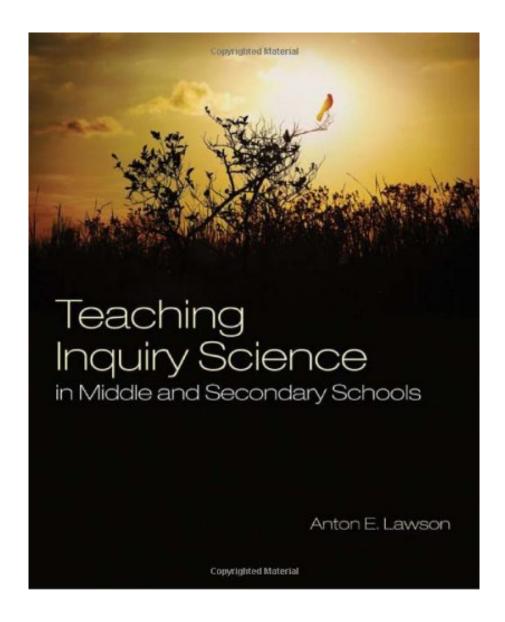


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Review

"This is an excellent and needed contribution to the science education teacher preparation field." (Douglas Zook 2009-06-01)

"Processes and products of inquiry are evident in the text and real classroom situations are presented with anecdotes, reflection and possible solutions when certain issues may develop. It presents a model for instruction that can be replicated in different classrooms."

(Bonita Flournoy)

About the Author

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- 2. Why teach science?
- 3. What is the nature of scientific knowledge?
- 4. How do scientists construct knowledge?
- 5. How do people develop effective reasoning patterns?
- 6. What teaching methods best facilitate scientific knowledge acquisition?

Key Features

- Focus on inquiry teaching methods: This text shows teachers how to use inquiry-based teaching in a standards-based environment.
- Practical examples: Several examples of inquiry lessons are provided, along with examples of classroom management techniques, lesson planning procedures, and effective evaluation procedures.
- Research-based content: Written by a leader in the field, the book includes current and important research to frame the examples and methods.

Ancillaries

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By PhysicsTeacher

Tony Lawson's new book, Teaching Inquiry Science in Middle and Secondary Schools Teaching Inquiry Science in Middle and Secondary Schools, should be mandatory reading for all preservice and inservice science teachers. Lawson explains why student-centered, inquiry-based science classes are effective in helping students learn content, develop thinking skills, and accelerate their cognitive development so they can become more effective learners in all content domains.

Study of this book will be the focus of professional development in the science department at my school (grades 5-12) in the coming year. I chose it because the author understands how students learn and how to teach to maximize student learning and effectively communicates both in a way that makes sense and makes you wonder why this book was not written years ago.

No one should step into a science classroom without having first read this book!

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Good for teachers

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