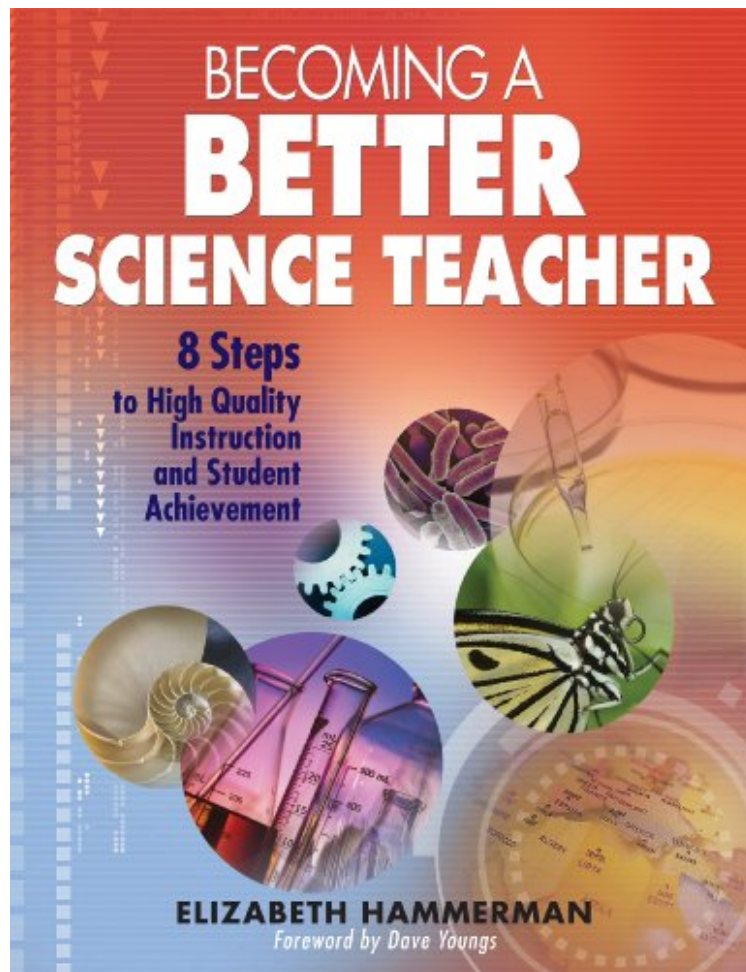


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# Becoming a Better Science Teacher: 8 Steps to High Quality Instruction and Student Achievement

*Elizabeth Hammerman*

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**Elizabeth Hammerman : Becoming a Better Science Teacher: 8 Steps to High Quality Instruction and Student Achievement** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Becoming a Better Science Teacher: 8 Steps to High Quality Instruction and Student Achievement:

2 of 2 people found the following review helpful. Teaching ScienceBy AddictWorking on getting my teaching credential and this was required for my Science Methods Class. I really appreciate the careful organization by the author. There are a lot of figures and examples of activities included. The examples also range in terms of grade level so one can see the difference. Inquiry teaching which supports the scaffolding of concepts is a major influence for the text.2 of 2 people found the following review helpful. A Must Read for Science TeachersBy Joshua WhiteElizabeth Hammerman's book is very well written, with information that is very easy to immediately implement into a science classroom. The book focus on the "big picture" while taking time to explain why the process works. I found the

section on Action plans particularly helpful. Hammerman provides 2 user friendly ways to guide unit development. A seasoned teacher, or a brand new teacher just starting out can benefit from the thought and discussion questions at the end of each section. In chapter 5 Hammerman discusses best practices and the role of the teacher, the student and especially how it relates to science inquiry. During this section the 5 E's are explained to enhance student engagement and learning. Throughout the entire book plenty of examples and clear graphics are given to help further explain the points Hammerman is trying to make. This is an excellent book to read and refer back to again and again.

The author provides teacher-friendly tools, insights, sample lessons, and strategies for delivering quality, standards-based science curriculum and instruction that ensures student achievement.

"Major strengths of this book are its dealing with standards and making practical connections to assessment and teaching, and the excellent examples throughout and their practicality. A very exciting and user-friendly text." -- Gary Willhite, Teacher Educator (02/27/2006)"The major strengths of this book are dealing with standards and making practical connections to assessment and teaching, and the excellent examples throughout and their practicality. A very exciting and user-friendly text."--Gary Willhite, Teacher Educator (02/27/2006)"What a treasure! The contents will change the way teachers teach and students learn. This book is a tour de force, a must-read for every educator!"--Marian White-Hood, Principal (02/27/2006)"This text is especially strong in the clear, solid approach toward developing high-quality science instruction. It does an exceptional job of relating this step-by-step approach to educational research on science pedagogy."--Diann Musial, Distinguished Teaching Professor (03/09/2006)"Gives teachers everything they need to deliver meaningful science instruction and ensure student success and achievement."--SirReadaLot.org, August 2006 (07/03/2006)"Hammerman's recommendations and instructional supports complement current teaching practices across disciplines and grade levels."--Curriculum Connections, Spring 2007 (07/02/2007)"The major strengths of this book are dealing with standards and making practical connections to assessment and teaching, and the excellent examples throughout and their practicality. A very exciting and user-friendly text."--Gary Willhite, Teacher Educator (02/27/2006)"What a treasure! The contents will change the way teachers teach and students learn. This book is a tour de force, a must-read for every educator!"--Marian White-Hood, Principal (02/27/2006)"This text is especially strong in the clear, solid approach toward developing high-quality science instruction. It does an exceptional job of relating this step-by-step approach to educational research on science pedagogy."--Diann Musial, Distinguished Teaching Professor (03/09/2006)"Gives teachers everything they need to deliver meaningful science instruction and ensure student success and achievement."--SirReadaLot.org, August 2006 (07/03/2006)"Hammerman's recommendations and instructional supports complement current teaching practices across disciplines and grade levels."--Curriculum Connections, Spring 2007 (07/02/2007)-The major strengths of this book are dealing with standards and making practical connections to assessment and teaching, and the excellent examples throughout and their practicality. A very exciting and user-friendly text.---Gary Willhite, Teacher Educator (02/27/2006)-What a treasure! The contents will change the way teachers teach and students learn. This book is a tour de force, a must-read for every educator!---Marian White-Hood, Principal (02/27/2006)-This text is especially strong in the clear, solid approach toward developing high-quality science instruction. It does an exceptional job of relating this step-by-step approach to educational research on science pedagogy.---Diann Musial, Distinguished Teaching Professor (03/09/2006)-Gives teachers everything they need to deliver meaningful science instruction and ensure student success and achievement.---SirReadaLot.org, August 2006 (07/03/2006)-Hammerman's recommendations and instructional supports complement current teaching practices across disciplines and grade levels.---Curriculum Connections, Spring 2007 (07/02/2007) "The major strengths of this book are dealing with standards and making practical connections to assessment and teaching, and the excellent examples throughout and their practicality. A very exciting and user-friendly text." (Gary Willhite, Teacher Educator 2006-02-27)"What a treasure! The contents will change the way teachers teach and students learn. This book is a tour de force, a must-read for every educator!" (Marian White-Hood, Principal 2006-02-27)"This text is especially strong in the clear, solid approach toward developing high-quality science instruction. It does an exceptional job of relating this step-by-step approach to educational research on science pedagogy." (Diann Musial, Distinguished Teaching Professor 2006-03-09)"Gives teachers everything they need to deliver meaningful science instruction and ensure student success and achievement." (SirReadaLot.org, August 2006 2006-07-03)"Hammerman's recommendations and instructional supports complement current teaching practices across disciplines and grade levels." (Curriculum Connections, Spring 2007 2007-07-02)About the AuthorElizabeth Hammermann's professional background includes teaching science at the middle school and high school levels and over 20 years of experience teaching university science education courses and co-directing funded grant projects. She currently resides in Fayetteville, North Carolina.