



Elementary Science Methods: A Constructivist Approach (Textbook, only)

By David Jerner Martin

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ELEMENTARY SCIENCE METHODS: A CONSTRUCTIVIST APPROACH, Fifth Edition, is based on two fundamental and complementary ideas: it is more important for children to learn how to do science than to learn about science, and elementary science teachers do not need to know a great deal of science but rather should be co- inquirers with their students. To facilitate learning, this text features a wealth of exercises, including open-ended inquiry activities that help teacher candidates construct their own personal conceptualizations about science content and teaching methods. The text also contains over 170 process-oriented, open-ended activities, organized by grade level, that practicing teachers can use to encourage children to develop and perform their own investigations. The Book Companion DVD (available separately) provides valuable tools and resources such as additional activities and video clips that students can use both in their college course and later in elementary science classrooms.

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Editorial Review

Review

"This is a great text. It is straightforward and easy to read. Each chapter has many great activities for students to think about and try in their classrooms and good lesson plans to follow. It is not intimidating for students who feel unprepared to teach science."

"I find the approach and basic premise of the book appealing. I am pleased to see an emphasis on national standards, especially from the NSES, NSTA, and NAEIC."

"The Martin text is one of the leaders in contemporary elementary science methods texts based upon what's in between the covers. Congratulations to the author!"

"The content, organization and format are impressive, but what stays with me is David Martin's personable approach in his writings."

"The writing style is excellent, especially as a beginning methods text. My students should find it quite easy to read and comprehend."

About the Author

David Jerner Martin (Ph.D.) is Professor Emeritus of Early Childhood Education at Kennesaw State University. A gifted teacher and an outspoken advocate of constructivist-based teaching, he is best known as the author of the pioneering text, **ELEMENTARY SCIENCE METHODS: A CONSTRUCTIVIST APPROACH**, now in its Sixth Edition. Dr. Martin has consulted on constructivist teaching at home and abroad, and was technical consultant with The Weather Channel for The Weather Classroom. He has received several university awards for distinguished teaching and publications.

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