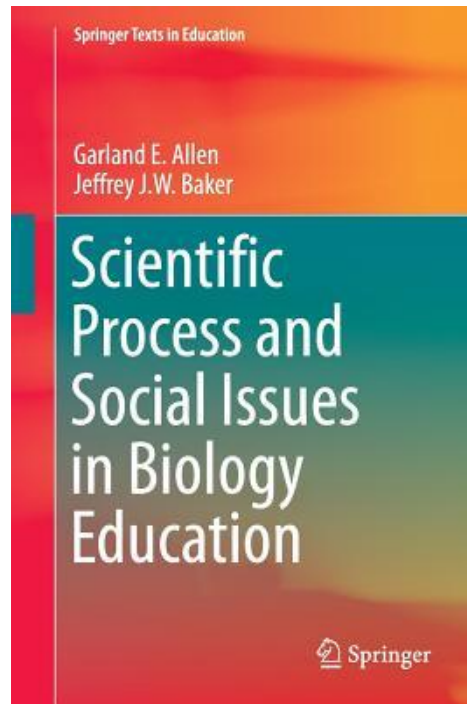


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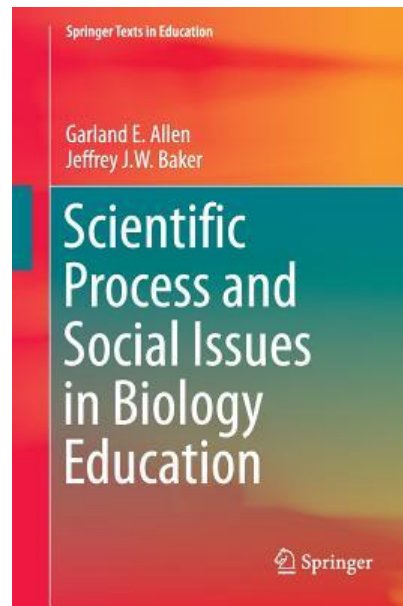
By Garland E. Allen



This book complements fact-drive textbooks in introductory biology courses, or courses in biology and society, by focusing on several important points: (1) Biology as a process of doing science, emphasizing how we know what we know. (2) It stresses the role of science as a social as well as intellectual process, one that is always embedded in its time and place in history. In dealing with the issue of science as a process, the book introduces students to the elements of inductive and deductive logic, hypothesis formulation and testing, the design of experiments and the interpretation of data. An appendix presents the basics of statistical analysis for students with no background in statistical reasoning and manipulation. Reasoning processes are always illustrated with specific examples from both the past (eighteenth and nineteenth century) as well as the present. In dealing with science and social issues, this book

introduces students to historical, sociological and philosophical

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