



## METADATA

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### Abstract

Biology and its Teaching largely follow and coexist with Science Education, where the dominant contemporary view is that of inquiry-based learning. In this context, this textbook tries to include some sections dedicated to students' alternative ideas of the importance of Biology. Additionally, there is an attempt to present strategies of Conceptual Change that can be achieved through various forms of Active Learning and Teaching, such as Learning Through Inquiry

(LTI). LTI is the attempt to transfer the Scientific Method (SM) to the classroom. Thus, a significant part of the manual is dedicated to understanding and applying LTI methods for various biological topics. Additionally, a thorough understanding of what SM is and how it relates to modern trends in Science and Biology Education requires familiarity with the History of Science, which, by itself constitutes a teaching tool part of the manual is dedicated to it.

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