

THE SYSTEMIC APPROACH TO TEACHING AND LEARNING: Theoretical Aspects

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ABSTRACT

The relationship of the systemic approach to teaching and learning chemistry (SATLC) to its antecedents in concept mapping is established. The application of systemics to teaching and learning also involves certain aspects of Ausubel's "meaningful learning" ideas and incorporates the fundamental ideas of contemporary constructivist teaching strategies.

Systemics is presented in the context of the modern trend to globalization of human activities; in the case of systemics, the human activity is the educational process.