



Yale-New Haven
Teachers Institute®

Curriculum Units by Fellows of the Yale-New Haven Teachers Institute
1999 Volume V: How Do You Know? The Experimental Basis of Chemical Knowledge

How Do You Know? Let's Try With Math

Guide for Curriculum Unit 99.05.06

by Eddie B. Rose

“How Do You Know? Let's Try With Math” can be used as a main text for preparatory courses or as a supplement to a core textbook in survey and general chemistry courses. Many students needing help apart from the classroom in chemistry may find “How Do You Know? Let's Try With Math,” useful as a self-paced learning guide. “How Do You Know? Let's Try With Math,” take a look at chemistry and mathematics. Its purpose is to teach students the basic concepts of chemistry and problem solving techniques. Teachers and Students need not have a science background or extensive math skills to use this curriculum. Most calculations in chemistry involve only simply algebra. There are two basic approaches for solving these equations. The first is the use of the factor-label method to convert information from one set of units into another. Second is the use of a memorized equation or law into which data for all variables except one are inserted

“How Do You Know? Let's Try With Math,” has basic algebra, graphing calculator, statistics activities

(Recommended for Algebra and Statistics, grades 9-12.)

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