

## **Marian DeWane**

For the past 25 years, Marian DeWane has taught Advanced Placement (AP) Chemistry at Centennial High School, Chemistry at Boise State University in Idaho, and Chemistry and Environmental Science at University of California Irvine and University of California Los Angeles, USA. Currently, she is expanding her role to mentoring teachers in AP Chemistry and AP Environmental Science and giving workshops and institutes to teachers worldwide. In her institutes, she shares her activities, strategies, and passion for teaching.

She strives to make science relevant and specializes in student centered guided inquiry learning environments, guided inquiry labs, and the Science Writing Heuristic (SWH). For example, her environmental students have participated in service learning activities such as habitat reconstruction and chemistry students have made fliers they distribute on hazardous chemicals in the home and how to properly dispose of them.

Marian has served as editor for the College Board Special Focus Series in Chemistry, which has included topics in equilibrium, thermodynamics, and acids and bases. She co-authored a curriculum module on Guided Inquiry in the Classroom. She has also authored/co-authored several manuals on teaching AP Chemistry including a lab manual, and books including Practice Makes Perfect Chemistry, Practice Makes Perfect Organic Chemistry, and Step by Step Chemistry. She is a question writer for the AP Exam and is involved in setting of the standards and the marking of the AP Chemistry Exam as question leader, table leader, and reader.