



## Research-based Resources to Teach Chemistry

By Banerjee, Anil

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Chem Demos, Guided Inquiry Labs, Professional Development & Teaching Strategies | The national science education standards in many countries require teachers to teach science using inquiry. But, many science teachers do not get the opportunity to learn science through inquiry and other research-based strategies. The monograph describes some research based strategies to improve chemistry teaching based on the research and development work of the author. The topics include: field-tested chemical demonstrations , guided inquiry labs, a new research based model of professional development using guided inquiry labs, an experimental study on effect of inquiry teaching on student learning, an action research on guided inquiry, a professional development model for chemistry teachers based on graduate level content and pedagogy, a new peer-tutoring model to improve student success in introductory college chemistry, and a dream futuristic curriculum project in chemistry. The monograph with plenty of teaching and learning resources is a journey to the wonderful world of chemistry. Science teachers, college chemistry instructors, science educators, or anyone else interested in chemistry should find the monograph useful and exciting. | Format: Paperback | Language/Sprache: english | 255 gr | 223x151x17 mm | 188 pp.



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