



Models of Science Teacher Preparation

By Lavoie, D. R. / Roth, W. M.

Book Condition: New. Publisher/Verlag: Springer Netherlands | Theory into Practice | This unique, edited book is a must for science educators who desire to improve upon traditional methods for science teaching and learning. It provides background, theoretical research-based frameworks, guidelines, and concrete examples for the implementation and assessment of innovative models of science learning, teaching, and professional preparation. | Introduction; W.-M. Roth, D. Lavoie. Section One: Collaboration and Apprenticeship Models. 1. Becoming-in-the-Classroom: Learning to teach in/as Praxis; W.-M. Roth. 2. TEAMS: A Science Learning and Teaching Apprenticeship Mod; C.P. Hargrave, A.D. Thompson. 3. A Problem-Based Learning Approach to Science Teacher Preparation; R.F. Peterson, D.F. Treagust. 4. Linking Schools and Universities in Partnership for Science Teacher Preparation; M.K. Fetters, P. Vellom. 5. The Dynamics of Collaboration in a State-Wide Professional Development Program for Science Teachers; J.P. Barufaldi, J. Reinhartz. Section Two: Special Issues-Driven Models. 6. Instructional Congruence to Promote Science Learning and Literacy Development for Linguistically Diverse Students; O. Lee, S.H. Fradd. 7. Gender Equity and Science Teacher Preparation; L.J. Rennie. 8. Assessment Models that Integrate Theory and Best Practice; M. Stein. 9. New Technologies and Science Teacher Preparation; D.R. Lavoie. 10. Preparing New Teachers for Integrated-Science Classrooms; R.E. Yager, et...



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