Record Nr. UNINA9910453484603321 Professional development [[electronic resource]]: planning and design **Titolo** // Jack Rhoton and Patricia Bowers, editors Pubbl/distr/stampa Arlington, VA,: NSTA Press, c2001 **ISBN** 1-281-75827-2 9786611758271 1-935155-85-7 Descrizione fisica 1 online resource (197 p.) Collana Issues in science education Altri autori (Persone) RhotonJack ShanePatricia Disciplina 507/.1/55 Soggetti Science teachers - In-service training - United States Science - Study and teaching - United States Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto Contents; Foreword; About the Editors; Preface; Acknowledgments; Introduction; National Science Education Standards as a Catalyst for Change: The Essential Role of Professional Development; Professional Development Designed to Change Science Teaching and Learning; If We Want to Talk the Talk, We Must Also Walk the Walk: The Nature of Science, Professional Development, and Educational Reform; A Continuum of Standards for Science Teachers and Teaching: Alphabet Soup for Science Teachers: Making Sense of Current National Science **Education Reform Initiatives** Using ENC and ERIC to Plan for Professional DevelopmentPathways to the Science Standards: The Professional Development of Science Teachers for Science Education Reform: A Review of the Research: Science Teacher Professional Development: A Researcher's Perspective1; The Colorado College Integrated Natural Sciences Program (CC-ISTEP): Putting into Practice Some Essential Principles of Teacher Development: It's All About Choices: Science Assessment in Support of Reform; Defining Teacher Quality Through Content:

Professional Development Implications from TIMSS

Sommario/riassunto

The Teacher Speaks: Using Achievement Data to Modify Teaching PracticeGuided Index

There's got to be more to professional development than in-service workshops. This thoughtful book paves the way to change. It shows the circumstances under which professional development has the most impact on student learning, reviews programs that work, and offers practical ideas about how professional development can sustain science education reform.