Professional Development Research


- Algebraic Reasoning in the Elementary Classroom: Results of a Professional Development Program for Teachers


- Can Teachers Learn Through Inquiry Online — Sue Doubler and Wynne Harlen


- Earth Science by Design Handbook for Professional Developers —

  Harold McWilliams, Carla McAuliffe, Jeff Lockwood, Jamie Larsen, Matthew Hoover, Maxine Rosenberg, and Tamara Shapiro Ledley


- Learning Science Online: A Descriptive Study of Online Science Courses for Teachers — Jodi Asbell-Clarke and Elizabeth Rowe


  Jodi Asbell-Clarke and Elizabeth Rowe

  — Journal of Interactive Online Learning 7 (2). (2008)


- My Kids Can: Making Math Accessible to All Learners, K-5 —

  Judith (Judy) Storeygard (ed.)


- Online Professional Development: Science Inquiry in the Online Environment —

  Sue Doubler and Wynne Harlen


- Practice-Based Inquiry in Science: A Professional Development Course in Science for K-5 Teachers in Urban Districts —


- Preparing Teachers to Teach for Deep Understanding: A Curriculum-Based Approach —

  Bill Penuel, Harold McWilliams, Carla McAuliffe, Ann Benbow, Colin Mably, and Margaret M. Hayden

  The Earth Scientist (2008) 27 (2)

- Professional Learning with Web-Based Videos: The Talk Science Experience —


- Reflections on Video: One Teacher's Story —

  Judith (Judy) Storeygard and Barbara Fox


- Relearning to Teach Arithmetic (Teacher's Study Guide/Videotapes) —

  Susan Jo Russell, Judith (Judy) Storeygard, and Megan Murray


• REVEALing Findings from the Field: Experiences Developing and Implementing a Staff Facilitation Model at Two Science Centers — Ivel Gontan, Scott Pattison, Summer Brandon, Andee Rubin, Elizabeth Andanen, Marcie Benne —Informal Learning Review. No. 138, May/June 2016

• Science Learning and Teaching: A Case of Online Professional Learning — Sue Doubler


  In this article, we share lessons learned from our Accessing Science Ideas (ASI) project that may help science teachers make “instructional shifts” as they teach a wide range of learners in their inclusive science classrooms. More >>


• Teaching for Understanding in Earth Science: Comparing Impacts on Planning and Instruction — Bill Penuel, Harold McWilliams, Carla McAuliffe, Ann Benbow, Colin Mably, and Margaret M. Hayden

• TEECH Lessons Learned: Strategies for Facilitating Communication in Teacher Enhancement — Joni Falk, Jack Lochhead, Gloria Jacobs, Bridget Mooney, and Brian Drayton

• The Impact of a Professional Development Model on ABE Teachers’ Instructional Practice: Teachers Investigating Adult Numeracy — M.B. Bingman and Mary Jane Schmitt
  Adult Learning 19(2008) (3-4) 27-33

• The Role of Representations in Shaping a Community of Scientific Inquiry Online — Andee Rubin and Sue Doubler

• Turning Teachers into Designers — Harold McWilliams
  Geotimes 49 (9) (2004)