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| 1. Record Nr.           | UNINA9910827872803321   |
| Titolo                  | Studying classroom teaching as a medium for professional development : proceedings of a U.S.-Japan workshop // Hyman Bass, Zalman Usiskin, and Gail Burrill, editors  |
| Pubbl/distr/stampa      | Washington, DC, : National Academy Press, c2002   |
| ISBN                    | 0-309-16996-8<br>1-280-18411-6<br>9786610184118<br>0-309-51031-7  |
| Edizione                | [1st ed.]   |
| Descrizione fisica      | 1 online resource (272 p.)  |
| Altri autori (Persone)  | BassHyman <1932-><br>UsiskinZalman<br>BurrillGail   |
| Disciplina              | 372.7/0952  |
| Soggetti                | Mathematics - Study and teaching (Elementary) - Japan<br>Mathematics - Study and teaching (Elementary) - United States  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | "Mathematical Sciences Education Board/Center for Education/Division of Behavioral and Social Sciences and Education, U.S. National Commission on Mathematics Instruction/Board on International Scientific Organizations/Policy and Global Affairs Division, National Research Council."<br>Workshop hosted by Mathematical Sciences Education Board and United States National Commission on Mathematics Instruction, August 2000, Makuhari, Japan.   |
| Nota di bibliografia    | Includes bibliographical references (p. 255-258).   |
| Nota di contenuto       | Front Matter -- Acknowledgments -- Preface -- Contents -- Introduction -- Reflections on the Workshop -- Observations from the Study of Teaching Practice as a Medium for Professional Development -- Building an International Community: Sharing Knowledge and Experiences in Professional Development for Mathematics Education -- Background Context for Teacher Preparation in the United States and in Japan -- Elementary Mathematics Education in the United States -- Mathematics Teacher Education in Grades 7-12 in the United States -- A Study of Teacher Change Through Inservice Mathematics Education |

Programs in Graduate School -- Recurrent Education in Japan: Waseda University Education Research and Development Center -- Recurrent Education in Japan: Kanagawa Prefectural Education Center -- Lesson Study as Professional Development -- Setting the Stage -- Lesson Study: What, Why, and How? -- Framing Lesson Study for U.S. Participants -- Lesson Study from the Perspective of a Fourth-Grade Teacher -- Studying Classroom Teaching as a Medium for Professional Development: Video Component -- Reflections on Videos: Panel -- Development Through the Use of Records of Practice Professional Development Through the Use of Records of Practice -- Professional Development Through Records of Instruction -- Professional Development Through Written Cases -- Professional Development Through the Use of Records Mathematical Knowledge of Teachers Panel -- Professional Development Small Group Discussion -- Appendix A: Workshop Agenda -- Appendix B: Participant List -- Appendix C: Steering Committee Biographical Information -- Appendix D: A Plan for the Lesson on Division by a Two-Digit Number -- Appendix E: A Demonstration Lesson: Function Thinking at Sixth Grade -- Appendix F: A Study Lesson: Large Numbers at Fourth Grade. Appendix G: Record of Instruction: Reasoning About Three Coins at Third Grade -- Appendix H: Transcript of Excerpts from Small Group Discussions -- Appendix I: A Written Case: Pattern Trains at Sixth Grade -- Appendix J: To Become a Mathematics Teacher -- Appendix K: Glossary -- Appendix L: Workshop Reading List -- Appendix M: References.

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