Record Nr. UNINA9910808746003321 Exploring the landscape of scientific literacy / / edited by Cedric Linder. **Titolo** [et al.] Pubbl/distr/stampa New York:,: Routledge,, 2011 **ISBN** 1-136-91174-X 1-136-91175-8 1-282-91277-1 9786612912771 0-203-84328-2 Descrizione fisica 1 online resource (313 p.) Collana Teaching and learning in science series Altri autori (Persone) LinderCedric J. <1954-> Disciplina 507.1 Science - Study and teaching - Research Soggetti Research 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 and index. Nota di contenuto Book Cover; Title; Copyright; Contents; Preface; Acknowledgments; 1 Overview: Scientific Literacy and the State of the Art in School Science Education; Part I: Curriculum Policy and Scientific Literacy; 2 Competing Visions of Scientific Literacy: The Influence of a Science Curriculum Policy Image; 3 Scientific Literacy for a Knowledge Society; 4 Scientific Literacy: Content and Curriculum Making; Part II: Exploring Language Perspectives: 5 Scientific Literacy, Discourse, and Epistemic Practices: 6 Scientific Literacy and Students' Movability in Science Texts 7 Literacy as Metaphor and Perspective in Science Education8 Bilingual Scientific Literacy; Part III: Exploring Themes of Scientific Literacy; 9 The Development of Scientific Literacy: A Function of the Interactions and Distinctions Among Subject Matter, Nature of Science, Scientific Inquiry, and Knowledge About Scientific Inquiry; 10 Scientific Literacy as Action: Consequences for Content Progression; 11 What Do Values and Norms Have to Do with Scientific Literacy?; 12 An Inclusive View of Scientific Literacy: Core Issues and Future Directions 13 Scientific Literacy for Bringing in the OutsidersPart IV: Science

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Sommario/riassunto

Scientific literacy is part of national science education curricula worldwide. In this volume, an international group of distinguished scholars offer new ways to look at the key ideas and practices associated with promoting scientific literacy in schools and higher education. The goal is to open up the debate on scientific literacy, particularly around the tension between theoretical and practical issues related to teaching and learning science. Uniquely drawing together and examining a rich, diverse set of approaches and policy and practice exemplars, the book takes a pragmatic and inclusi