1. Record Nr. UNINA9910163895103321 Autore Schwarz Christina Titolo Helping students make sense of the world using next generation science and engineering practices / / Christina Schwarz, Cindy Passmore, Brian Reiser, [editors] Arlington, Virginia:,: NSTA Press, National Science Teachers Pubbl/distr/stampa Association, , [2017] 2017 **ISBN** 1-941316-95-6 Descrizione fisica 1 online resource (x, 381 pages): illustrations Gale eBooks Collana Disciplina 507.1/2 Mathematics - Study and teaching Soggetti Science - Study and teaching Logic, Symbolic and mathematical - Study and teaching Curriculum-based assessment Curriculum evaluation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Front Cover -- Title Page -- Half Title -- Copyright -- Contents --About the Editors -- Contributors -- Section 1: The Big Picture-Why Science and Engineering Practices, and What Do They Mean for Us in the Classroom? -- Chapter 1: Moving Beyond "Knowing About" Science to Making Sense of the World-Christina V. Schwarz, Cynthia Passmore, and Brian J. Reiser -- Chapter 2: The Framework, the NGSS, and the Practices of Science-Jonathan Osborne and Helen Quinn -- Chapter 3:

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This book provides understanding and practical examples of the practices presented in A Framework for K-12 Science Education and the Next Generation Science Standards (NGSS), and addresses important questions about how engaging students in science and engineering practices helps improve science education, what the eight practices look like in the classroom, and how educators can engage students in practices to bring the NGSS to life.

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