1. Record Nr. UNINA9910454208303321 Taking science to school [[electronic resource]]: learning and teaching **Titolo** science in grades K-8 / / Committee on Science Learning, Kindergarten Through Eighth Grade: Richard A. Duschl, Heidi A. Schweingruber, and Andrew W. Shouse, editors Pubbl/distr/stampa Washington, DC,: National Academies Press, c2007 **ISBN** 1-280-84473-6 9786610844739 0-309-66069-6 Descrizione fisica 1 online resource (403 p.) Altri autori (Persone) DuschlRichard A <1951-> (Richard Alan) SchweingruberHeidi A ShouseAndrew W Disciplina 372.3/5 Soggetti Science - Study and teaching (Elementary) - 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 contenuto ""Front Matter""; ""Foreword""; ""Acknowledgments""; ""Contents""; ""Executive Summary""; ""Part I INTRODUCTION""; ""1 Science Learning Past and Present""; ""2 Goals for Science Education""; ""Part II HOW CHILDREN LEARN SCIENCE""; ""3 Foundations for Science Learning in Young Children""; ""4 Knowledge and Understanding of the Natural World""; ""5 Generating and Evaluating Scientific Evidence and Explanations""; ""6 Understanding How Scientific Knowledge Is Constructed"": ""7 Participation in Scientific Practices and Discourse"": ""PART III Supporting Science Learning"" ""8 Learning Progressions"""9 Teaching Science as Practice""; ""10 Supporting Science Instruction""; ""PART IV Future Directions for Policy, Practice, and Research""; ""11 Conclusions and Recommendations""; ""Appendixes""; ""Appendix A Overview of Learning Progressions for Matter and the Atomic-Molecular Theory", ""Appendix B Biographical Sketches of Committee Members and Staff""; ""Index""