Record Nr. UNINA9910827572803321 Taking science to school: learning and teaching science in grades K-8 **Titolo** // 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** 0-309-13383-1 1-280-84473-6 9786610844739 0-309-66069-6 Edizione [1st ed.] 1 online resource (403 p.) Descrizione fisica 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 Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. ""Front Matter""; ""Foreword""; ""Acknowledgments""; ""Contents""; Nota di contenuto ""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""