

1. Record Nr.	UNINA9910811528103321
Titolo	Science for all children : a guide to improving elementary science education in your school district // National Science Resources Center, National Academy of Sciences, Smithsonian Institution
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1997
ISBN	0-309-17629-8 1-280-19287-9 9786610192878 0-309-55281-8 0-585-02245-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (240 p.)
Disciplina	372.3/5/044
Soggetti	Science - Study and teaching (Elementary) - United States Problem-based learning - United States
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 (p. 193-195) and index.
Nota di contenuto	""Science for All Children""; ""Copyright""; ""Contents""; ""Foreword""; ""Preface""; ""Acknowledgments""; ""Introduction""; ""ORGANIZATION OF SCIENCE FOR ALL CHILDREN""; ""HOW TO USE SCIENCE FOR ALL CHILDREN""; ""Part 1 Building a Foundation for Change""; ""1 The Value of Science Education""; ""THE LIMITATIONS OF TRADITIONAL CLASSROOMS""; ""A GLIMPSE AT AN INQUIRY-CENTERED CLASSROOM""; ""THE BENEFITS OF INQUIRY-CENTERED SCIENCE""; ""PROCESS SKILLS AND ASSESSMENT""; ""For Further Reading""; ""2 How Children Learn""; ""THE ROLE OF INQUIRY-CENTERED EXPERIENCES IN ELEMENTARY SCIENCE"" ""THE IMPLICATIONS OF COGNITIVE RESEARCH""""ENSURING THAT THE CURRICULUM IS DEVELOPMENTALLY APPROPRIATE""; ""For Further Reading""; ""3 Sharing the Vision of Exemplary Elementary Science""; ""THE ELEMENTS IN THE STRATEGIC PLANNING MODEL""; ""Inquiry-Centered Science Curriculum""; ""Professional Development""; ""Science Materials Support""; ""Assessment""; ""Administrative and Community Support""; ""For Further Reading""; ""4 Planning for the New Elementary

Science Program"; "GETTING STARTED: IDENTIFYING THE STAKEHOLDERS"; "UNDERSTANDING THE RISKS OF CHANGE" "ORGANIZING THE LEADERSHIP TEAM" "A THREE-STEP STRATEGIC PLANNING PROCESS"; "PLANNING STEP BY STEP"; "Curriculum Subcommittee"; "Professional Development Subcommittee"; "Materials Support Subcommittee"; "Assessment Subcommittee"; "Administrative and Community Support Subcommittee"; "THE IMPORTANCE OF FLEXIBILITY"; "For Further Reading"; "Part 2 The Nuts and Bolts of Change"; "5 Criteria for Selecting Inquiry-Centered Science Curriculum Materials"; "CRITERIA FOR JUDGING PEDAGOGICAL APPROPRIATENESS"; "Addressing the Goals of Elementary Science Teaching and Learning" "Focusing on Inquiry and Activity as the Basis of Learning Experiences" "Using an Effective Instructional Approach"; "CRITERIA FOR JUDGING SCIENCE CONTENT"; "CRITERIA FOR JUDGING PRESENTATION AND FORMAT"; "USING THE CRITERIA"; "For Further Reading"; "6 Professional Development for Inquiry-Centered Science"; "CHARACTERISTICS OF AN EFFECTIVE PROFESSIONAL DEVELOPMENT PROGRAM"; "INITIATING PROFESSIONAL DEVELOPMENT AT THE RIGHT TIME IN THE RIGHT WAY"; "LEVELS OF PROFESSIONAL DEVELOPMENT"; "Phase 1: The Introductory Program"; "Phase II: The Competent Stage" "Phase III: The Expert Stage" "STRATEGIES FOR CHANGE"; "Lead Teachers"; "Partnerships Between School Districts and Research Scientists"; "Partnerships with Business and Industry"; "For Further Reading"; "7 Establishing a Science Materials Support Center"; "PLANNING A SCIENCE MATERIALS SUPPORT CENTER"; "Space"; "Management"; "Staffing"; "Inventory"; "Packaging"; "Scheduling"; "Delivery"; "Service"; "Need for Special Handling Procedures"; "Safety"; "COST-SAVING MEASURES"; "Multiple Uses of Kits"; "Refurbishing Costs"; "OTHER TYPES OF MATERIALS CENTERS" "Consortium-Based System"

---