

1. Record Nr.	UNINA9910479867003321
Autore	Keeley Page
Titolo	Mathematics curriculum topic study : bridging the gap between standards and practice / / Page Keeley, Cheryl M. Rose ; foreword by Joan Ferrini-Mundy
Pubbl/distr/stampa	Thousand Oaks, California : , : Corwin Press, a SAGE Publications Company, , 2006 ©2006
ISBN	1-4833-5179-3 1-4522-0874-3
Descrizione fisica	1 online resource (256 p.)
Disciplina	510.71/073
Soggetti	Mathematics - Study and teaching - Curricula - United States Mathematics teachers - Training of - United States Teacher participation in curriculum planning - 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 bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>           ""Cover""; ""Contents""; ""List of Curriculum Topic Study Guides""; ""Foreword""; ""Preface""; ""Overview""; ""Need""; ""Audience""; ""Organization""; ""How to Use This Book""; ""Acknowledgments""; ""About the Authors""; ""Chapter 1 - Introduction to Curriculum Topic Study""; ""What is Curriculum Topic Study?""; ""Why Study a Curriculum Topic?""; ""Why Focus on Topics?""; ""The Underlying Knowledge and Research Base""; ""The Origin of Curriculum Topic Study: From Science to Mathematics""; ""National, State, and Local Standards""; ""Cognitive Research""; ""Effective Professional Development""            ""Research on Readersa€? Interaction with Text""""Mathematics Teachers and Teaching""; ""Content Knowledge""; ""Pedagogical Content Knowledge""; ""Beliefs about Teaching and Learning""; ""Having a Professional Knowledge Base""; ""The Teacher Professional Continuum""; ""Chapter 2 - Examining the Components of a Curriculum Topic Study Guide""; ""The CTS Guide""; ""Sections and Outcomes""; ""Selected Readings""; ""CTS Supplementary Material""; ""Common         </p>

Resources for Study and Reflection"; "Building a Professional Collection: Experts at Your Fingertips!"

"Descriptions of the Common Resources Used in CTS""Chapter 3 - Engaging in Curriculum Topic Study"; "Getting Started"; "Gathering Your Resources"; "Becoming Familiar with the CTS Guides and Resources"; "Defining Your Purpose and Choosing Your Outcomes"; "Processing Information from CTS Sections"; "Activation and Processing Strategies"; "Reading the CTS Sections"; "Guiding Questions for Individual Sections of a CTS Guide"; "The CTS Learning Cycle: Inquiry, Study, and Reflection"; "Topic Engagement"; "Topic Elicitation"; "Topic Exploration"; "Topic Development"

"Topic Synthesis""Topic Application"; "Study Reflection and Self-Assessment"; "Using CTS Alone or with a Group"; "Using CTS on Your Own"; "Group Use of CTS"; "Chapter 4 - Contexts for Using Curriculum Topic Study"; "CTS and Mathematics Content Knowledge"; "Using CTS to Identify the Knowledge Needed to Teach a Topic"; "Using CTS to Examine the Structure of Conceptual Knowledge in a Topic"; "CTS and Curriculum"; "Curriculum Selection"; "Supporting Curriculum Implementation"; "CTS and Instruction"; "Reviewing and Modifying Lessons"

"Developing a Standards- and Research-Based Lesson""CTS and Mathematical Inquiry"; "Time for Using CTS in Instructional Planning"; "CTS and Assessment"; "Designing Assessment Probes"; "Developing Culminating Performances"; "CTS and Preservice and Novice Teacher Support"; "CTS and Leadership Development"; "CTS and Professional Development"; "Embedding CTS in a Variety of Professional Development Strategies"; "Facilitating Professional Development"; "Chapter 5 - Images from Practice: Curriculum Topic Study (CTS) Vignettes"

"Vignette 1: A Team of Primary Teachers Uses CTS to Clarify District Curriculum Goals for Addition and Subtraction Concepts"

---

## Sommario/riassunto

The Curriculum Topic Study (CTS) process provides a professional development strategy that links mathematics standards and research to curriculum, instruction, and assessment.

---