

Professional Development Resource

(Available through the MUSD Teacher Development Center)

Revised 4/1/04

Topic: This training program is designed to assist trainers and self-study to develop lessons and techniques for teaching foundational and more sophisticated problem solving strategies. Designed for 3-6

Type of Material: 2 videos and a resource guide

Title: INCREASING STUDENTS' MATH PROBLEM-SOLVING SKILLS – Part II:
Expanding Students' Repertoire of Problem-Solving Strategies Grades 3-6

Author:

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Date of Publication: 2004

Contents:

The Program Guide is divided into a section for Trainers and one for self study .

Training Resources:

- Note-Taking guide
- Core Problem-solving Strategies, Part II
- Overview of Problem-solving Strategies, Part II
- Overview of Eight Core Problem-solving Strategies, Parts I and II
- Characteristics of Effective Problem-solving Instruction
- Characteristics of Effective Problem-solving Instruction
- Section One Problems
- Blackline Masters
- Section Two Application Problems
- Frequently Asked Questions about Problem-solving Instruction
- Tips for Teaching Problem Solving
- How to Fit Real World Problem-solving Tasks into an Already Busy Day
- Strategies for Reaching Struggling Students
- Cooperative learning Strategies
- Mathematical Questioning
- Improving Your Questioning
- Writing About Problem Solving