

PROBLEM SOLVING CONNECTIONS

provides successful problem solving experiences for students and teachers alike.

FOR THE STUDENT

- stimulating, challenging problems.
- development of key problem solving strategies.
- real-life applications to social studies, math, science, language arts, art, music, physical education.
- opportunities to discuss and extend each strategy and to create original problems.

FOR THE TEACHER

- practical, easy-to-manage instruction for every strategy.
- suggestions for incorporating calculators and manipulatives.
- opportunities for implementing cooperative learning, curriculum integration, and the NCTM standards.

SCOPE AND SEQUENCE

Concepts and strategies are introduced and reviewed in a spiral fashion so that students can enter the program at any level.

	Operational Skills	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	UNIT 6
RED LEVEL (Grade 1)	Addition	Time	Money	Place Value	Graphing	Geometry	Fractions
GREEN LEVEL (Grade 2)	Addition Subtraction	Time	Money	Place Value	Graphing	Geometry	Fractions
ORANGE LEVEL (Grade 3)	Numeration Addition Subtraction	Introduction to Problem Solving	Supporting Strategies	Guess and Check	Draw a Picture	Make a List	Look for a Pattern
BLUE LEVEL (Grade 4)	Numeration Addition Subtraction Multiplication	Supporting Strategies	Draw a Picture	Make a List or Table	Look for a Pattern	Guess and Check	Use Logical Reasoning
TAN LEVEL (Grade 5)	Numeration Addition Subtraction Multiplication Division	Supporting Strategies	Draw a Picture or Diagram	Make a List, Table, or Chart	Look for a Pattern	Guess and Check	Use Logical Reasoning
GOLD LEVEL (Grade 6)	Numeration Addition Subtraction Multiplication Division Fractions	Supporting Strategies	Draw a Picture or Diagram	Make a List, Table, or Chart	Guess and Check	Use Logical Reasoning	Set Up an Equation