

Tier 1 Mathematics Strategies

Marzano's Instructional Strategies:

1. Identifying similarities and differences
2. Summarizing and note taking
3. Reinforcing effort and providing recognition
4. Homework and practice
5. Nonlinguistic representations
6. Cooperative learning
7. Setting objectives and providing feedback
8. Generating and testing hypotheses
9. Cues, questions, and advanced organizer

Math Calculation:

1. Use of manipulatives
2. Concrete and pictorial models
3. Visual aids
4. Use of a calculator
5. Operational patterns (ex. Doubles plus one, partial product multiplication)

Math Reasoning:

1. Drawing a picture
2. Looking for a pattern
3. Systematic guessing and checking
4. Acting it out
5. Making a table
6. Working a simpler problem
7. Working backwards to solve a problem
8. Problem Solving

Checklist Understanding Concepts:

1. Link to prior knowledge
2. Teacher modeling
3. Think aloud
4. Journaling
5. Brainstorming
6. Vocabulary development