

Suggested Strategies for Math Instruction

Area	Strategy/Technique/Practice
Physical Environment	Preferential Seating
Physical Environment	Change student environment periodically
Physical Environment	Surround with students who are positive role models
Physical Environment	Teach student to use a sign when concept is not understood
Physical Environment	Attach items (pencils, rulers, erasers) with Velcro to desks
Physical Environment	Provide time to organize materials weekly
Physical Environment	Have a place for students to keep items that are unnecessary
Physical Environment	Sign student's assignment notebook daily
Physical Environment	Post reminders of procedures and routines
Physical Environment	Post reminders about assignments and due dates
Physical Environment	Arrange for students to work in cooperative groups
Physical Environment	Arrange for students to work with peer tutors
Physical Environment	Have materials for student use in one area that is labeled (calculators, rulers, paper, manipulatives, etc.)

Area	Strategy/Technique/Practice
Presentation	Vary instruction techniques: hands on, partner, student at board, students in seats
Presentation	Use highlighters to direct student attention to important information, key words, and directions
Presentation	Provide demonstration and modeling, guided practice, and frequent review opportunities
Presentation	Have student complete missing words in outline or notes presented
Presentation	Model or demonstrate each step of a problem
Presentation	Use the THINK ALOUD process
Presentation	Allow students to trace over geometric shapes and other patterns during lessons
Presentation	Use literature to help teach concepts (<u>Math Curse</u> , <u>G is for Googol</u> , etc.)
Presentation	Use "jigsawing" and "think-pair-share"
Materials	Use colored paper - to present new items, to signify importance, for activities
Materials	Use graph paper for calculating problems in columns
Materials	Color code notebooks or notebook sections
Materials	Use graphic organizers
Materials	Have an assortment of manipulatives on hand for use
Materials	Use audiotape versions of books

Tier one Strategies for Math Instruction (continued)

Area	Strategy/Technique/Practice
Instruction	Have students work on each step in a different color
Instruction	Break assignments into shorter sections
Instruction	Highlight operational signs
Instruction	Use games to reinforce math concepts
Instruction	Circle or box in answers
Instruction	Allow student additional time
Instruction	Check for understanding; thumbs up or thumbs down
Instruction	Provide outline of daily lesson
Instruction	Check homework daily
Instruction	Send progress reports home frequently
Instruction	Check for assignments written correctly in ANB

Area	Strategy/Technique/Practice
Instruction	Provide multiple opportunities for practicing and assessing concepts in different formats (written, oral, etc.)
Instruction	Use flashcards
Instruction	Teach previewing techniques for the textbook; how it is organized and how the format works
Instruction	Teach the meaning of key vocabulary words
Instruction	Teach number facts in fact families
Instruction	Have students explain verbally and visually how to solve a math problem
Instruction	Teach students mnemonic devices (Please Excuse My Dear Aunt Sally)
Instruction	Provide examples of correct formatted and completed problems
Instruction	Teach time management skills for taking test and assignments
Instruction	Teach prioritizing skills for assignments and tests
Instruction	Review prior concepts and skills daily