

Lesson Plan - Lesson Link #1

Opening:(Lesson Goal) Today our lesson will focus on the idea that students can use more than one strategy to solve a math problem.

Introduction: Today you are going to be given a word problem that is going to be too hard to figure out in your head. You are going to have to do some work to find a solution to the problem. We want you to show your work and be able to explain the work that you have done to solve the problem. (2 minutes)

Sequence: (20 minutes)

- (1) Pass out problem and read together
- (2) Allow three minutes of think time with no writing, try to come up with a strategy to solve the problem in their head
- (3) Independent work with no help. 8-10 minutes of work time where they are showing their work and their ideas on their paper. (Guided practice)
- (4) If you are lost, please join me on the carpet, if not lost, you can continue to work for a few more minutes.
- (5) Find a friend: Share strategies. Try to find someone who did it differently than you.

Teaching time: (10 minutes)

- (1) Ask for two to three examples of how students solved their problem. Then the teacher leads the discussion. "These are some of the things that I saw as I was walking around the room." Teacher gives a specific way to solve the problem. (Use pre-created poster with the pre-determined strategy.)
- (2) When requesting that the students do writing along with their problem solving, give students starter sentences. For example, I chose to use this strategy because..... I started with..... The solution that I found was..... I know that this strategy works because....

Extensions:

- (1) Make the problem more complicated by adding more challenging numbers or requiring specific things be noted in their written justification.