

5.95J – Fall 2012
Post -Class Assignment 9
Teaching Problem Solving

Expand upon the in-class assignment on teaching problem solving

Consider a problem or question from a class that you might teach (if you wish, you utilize a problem from the previous assignment).

1. Outline how you would solve it.
 - a. Note where students are likely to get stuck
2. Describe steps for helping students learn to solve this problem like an expert (you).
 - a. Developing a solution strategy
 - b. Techniques for student self monitoring
 - c. Getting unstuck
3. Compare your outline with the one described in Wankat, Ch. 5., p. 71. Note any similarities and/or differences? What are the advantages/disadvantages of the 2 strategies?

<https://engineering.purdue.edu/ChE/AboutUs/Publications/TeachingEng/chapter5.pdf>

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