

Reflection on the Problem-Solving Process

Cavilla, D. (2017). The effects of student reflection on academic performance and motivation. *SAGE Journals* 7(3), Retrieved on January 4, 2018 from <https://doi.org/10.1177/2158244017733790>.

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This targeted intervention helps the student(s) reflect on the problem-solving process enabling them to predict what strategy to use to solve future problems.

Materials:

- Word Problems
- Graphic Organizer: Reflection on the Problem

Steps:

1. The teacher and the student(s) read the word problem together and the teacher paraphrases the problem.
2. The student(s) choose a strategy to use and solves the word problem.
3. The teacher asks the following questions to help the student reflect.
 - Can you check the answer?
 - Does your answer make sense?
 - Did you answer all of the parts of the question?
 - What strategy worked? What strategy didn't work?
 - Could you have solved this problem another way?
 - If you saw a similar problem in the future, could you solve it?
4. The student(s) reflect on the strategy they used to solve the problem and complete the graphic organizer. (If the student has difficulty with writing, the teacher may act as a scribe.)