Worked Examples Effects

Theory

The worked examples effect was first introduced in 1985[1] suggesting positive effects of providing a learner with an example of the problem solution before requiring him to solve one on his own.

This suggestion is contrary to many constructivist discovery learning methods which suggest a learner should try to solve the problem by himself. Cognitive load theory on the other hand suggests that searching for the problem solution places unnecessary load on the learner's mind preventing him from learning. A worked example will remove the load of searching for a solution and enable easier acquisition of basic steps leading to the solution.

Practice

Research status

1)

Sweller, John, and Graham Cooper. The Use of Worked Examples as a Substitute for Problem Solving in Learning Algebra. Cognition and Instruction 2: 59-89, 1985.