

Problem Solving: Strategies, Solutions and Successes

Tina Overton

Monash University, Australia

tina.overton@monash.edu

The ability to solve unfamiliar and novel problem is an important graduate attribute. There has been much research that has explored the factors that affect student's success as problem solvers. This lecture reviews the literature on problem solving with a focus on strategies that aid success. It will then present some recent investigations into the differences between algorithmic, conceptual and open-ended problems and how strategies differ between novices, experts and between disciplines.