

Combining Discovery Learning and Mastery-Based Teaching: A Unit on Logarithms and Exponents

We explored combining the advantages of discovery-based learning with the benefit of mastery-based teaching strategies. We applied this concept to a unit in Logarithms and Exponents and compared our results to more traditional teaching approaches used previously. Students participating in this program demonstrated measurable improvement in performance over that of previous groups. This session will cover implementation of the unit and considerations for optimizing its success. Course materials used in the unit will be provided.