

Designing an Inquiry-based Learning Approach about Force and Pressure to Enhance Elementary Students' Critical Thinking Skills

Thursday, May 21, 2015 8:00 AM (3 hours)

The purposes of this one group pre-/post-test research were to design an inquiry-based learning approach about force and pressure based on the 80/80 efficiency criterion, and to enhance students' critical thinking skills. The participants were 25 purposively selected grade five students from Ponduan School, Wang-Hin, Srisaket in the first semester of the 2014 academic year. The results indicated that the overall quality of the inquiry-based learning approach was at the highest level. The efficiency regarding the standardized criteria E1/E2 was 81.06/80.66. The participants were also asked to complete a critical thinking skills test and its results showed that the mean post-test score was significantly higher than the mean pre-test score at the statistical level of .05.

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