



Contribution ID: 194

Type: Poster

Developing students' learning achievement and experimental skills on buoyancy and the involvement of Newton's third law through experimental set

Wednesday, 24 May 2017 15:45 (15 minutes)

The purposes of this research were: to construct packages of operations on buoyancy and the involvement of Newton's third law, to enhance achievement score of students on buoyancy and the involvement of Newton's third law, to enhance experimental skills on buoyancy and the involvement of Newton's third law and to evaluate students' attitude towards the packages of operations on buoyancy and the involvement of Newton's third law using inquiry method. The samples were 42 Mattayomasuksa V students in academic year 2016 at Hatyaiwittayalai School, Hatyai, Songkla. The research method was one group pretest-posttest design. The research tools consisted of experimental set on buoyancy and the involvement of Newton's third law, the learning achievement test on buoyancy and the involvement of Newton's third law and the students' attitude questionnaires. The experimental skills of most students was in a good level. The satisfaction of most students was in a good level. The research showed the learning achievement after instruction higher than that before instruction using experimental set at the significant level of .05 and the class average normalized gain is in the medium gain

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Session Classification: Poster Presentation I

Track Classification: Physics Education