

Integration of STEM Education into Classrooms on Fluid Mechanics for high school

We have designed and constructed learning activities in Physics on Fluid Mechanics. The purpose of the research is to enhance understanding, build up scientific attitude, and extend retention of students. The activities consist of the experiments on density, pressure, buoyancy, atmosphere and fluid dynamics. The lessons were integrated through STEM Education. The findings show that the students were enthusiastic and engaged. The students' learning achievement attitude towards Physics was increased. The retention rate was also extended.

Keyword : STEM Education, Fluid Mechanics, Understanding, Attitude, Retention Rate

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