

## A creative teaching approach for measuring height

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## Abstract

The contents of article are composed of several vivid and creative ways to help student conducting a measurement of height. It aims to encourage the students or learners to cooperate with other team members so as to explore the ways of measuring the height of object, such as a simplified theodolite (or a transit; an altazimuth) for building height, gravity method for bridge. In addition, the fields of learning environment are also extended from formal learning place (i.e. school) to the other informal place (i.e. science museum and suburb). It also encourages the student to express his or her exclusive opinion or show up his or her inherent talent, which could be ignored in the school, when program being carried on.

By using the learning activity worksheet, we can ensure that learners will successfully follow the activities provided in this program and divergent survey is also administered to evaluate the learners' performance from their own responses.

**Keywords:** Science Museum, education, leisure, cooperative learning, group investigation, problem-solving method, theodolite