

Validation of the Standard Setting Procedure for a Large Scale 4th Grade Science Assessment

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Abstract

One of the main purposes for constructing an academic achievement database is to understand the students' academic performance for each content area. Standard setting is the main issue in the academic achievement. Due to the adjustment of the test blueprint for Taiwan Assessment of Student Achievement 4th grade science, the previous performance level description is outmoded for practice. Therefore, modifying the standards is necessary. The purpose of this study is to validate a science standard setting procedure designed for 2009 4th grade science students. Based on Kane's (1994, 2001) framework for validation, this study collected procedural evidence, internal evidence, as well as external evidence using mathematics academic performance. Several suggestions are provided in the conclusion for further studies.

Keywords: validation, Bookmark method, standard setting