

## Professional Development Report January, 2015

An international presentation was given at the Thirteenth Annual Conference on Education in Honolulu, Hawaii on January 5-8, 2015.

The title of the Presentation was: An Investigation of the Effectiveness of Using Test Advance Organizer on Students' Test Scores and Self-efficacy The research investigators were:

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**Abstract:** The purpose of this study was to investigate the effect of the use of advance organizer on pres-ervice teachers' test scores and self-efficacy. Grounded in the theory of expository teaching and the concept of advance organizer (Ausubel, 1960), which describes the process of linking the "unfamiliar" to what is already known by the learner. The investigators employed one-group pretest-posttest design to assess whether there was significant differences in the students' test scores after the use of advance organizer. The results indicate that there was significant effect of the advance organizer on students' test scores and self-efficacy. This effect demonstrated by the statistically significant differences in students' test scores, with the highest scores achieved by students after the use of advance organizer condition and the least was in the no advance organizer. Results emphasize the importance of engaging students in learning activities to activate their prior knowledge and that the use of advance organizer is an effective technique to improve student's self-efficacy and test scores.

**Summary of activity:** The presentation was given by Dr. Kevin C Costley. The study and results were presented. After the presentation, the presenter encouraged attendees to ask questions, which followed in a thoughtful discussion of the study and study conclusions.. Recommendations concerning future follow up research on this study were gratefully received.