

# 國中教師創新教學指指標之研究

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## 摘要

In the generation of globalization, the competition mode has become international. Besides, future economic trends are based on the knowledge, and the feature of the knowledge-based economy is "innovation." Therefore, education is the fundamental of the country economic development. Also, it is necessary for students to learn how to innovate and get used to innovate at school. As we know, teachers are the keys to guiding students to innovate. It becomes more important for teachers to innovate their teaching.

After reviewing the relevant literatures, the study utilizes five dimensions:

“educational philosophy”, “curriculum materials”, “teaching methods”, “teaching evaluation” and “teacher development” to explore the measure of the innovative teaching.

First, we utilize Fuzzy Delphi method to find out sixteen measurement

indicators from the five dimensions. Then, we apply Analytic Network Process by

considering the dependencies and feedbacks between the various dimensions and

indicators. By this way, we establish the super-matrix quantification from the expert

opinions to find out the priority of the measurement. In the study, “lifelong learning”

has high priority in the sixteen measurements, “attitude of innovative teaching” is the second, and “teaching reflection” is in third place. The research find out “education administration” can provide directions to promote the teaching innovation. As for teachers involving in innovative teaching, they can improve and adjust their teaching by reviewing the effectiveness of innovative teaching in accordance with the right major or related degree, but the performance indicators in poor condition.

Keywords: innovative teaching , Fuzzy Delphi Method , ANP

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