

## Investigating Mathematics Teachers' Knowledge of the Effective Teaching Strategies

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**Abstract :** This paper investigated mathematics teachers' knowledge of the effective teaching strategies at the Southern Region of Saudi Arabia. Specifically, it aimed to identify a list of the effective strategies of teaching mathematics; the extent of mathematics teachers' knowledge of these strategies; and the differences (if any) of mathematics teachers' knowledge of these strategies regarding scientific degree, teaching experience, and educational sage. To achieve that, the researcher used the descriptive approach for preparing a list of effective mathematics teaching strategies and developing a questionnaire of a sample of (240) mathematics teachers. As a result, there were differences in teachers' knowledge of the effective teaching strategies, which ranked as a low, and the highest knowledge was in favor of higher degrees. In addition, there were a few recommendations and suggestions for developing mathematics teachers' knowledge of effective teaching strategies, such as involving in workshops of mathematics teaching strategies, integrating technology into mathematics teaching, and using research findings in the instruction process.

**Keywords :** mathematics teaching knowledge, mathematics teachers, effective mathematics teaching strategies

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