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An analysis of strengths and weaknesses in the study of elementary mathematics lessons via a teacher learning community.

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Summary: The purpose of this study was to analyze the strengths and weaknesses resulting from a study of elementary mathematics lessons among in-service teachers and to discuss implications for the direction of improvement of the study on elementary mathematics lessons based on a teacher learning community. The results of this study showed that the study on elementary mathematics lessons based on a teacher learning community improved teacher knowledge related to teaching mathematics, enhanced teachers' accomplishment and self-esteem, made it possible for participant teachers to teach one another, created an atmosphere in which teachers investigated instruction via a sustainable and systematic lesson study. However, some limitations were noticed such as regulations by the social norms of the teacher learning community, the influence of an expert teacher, teachers' unprofessional decision making, and a lack of systematic evaluation and reflection on lessons. Based on these results, this paper closes with critical implications to enhance the teacher learning community.

Classification: C79 D39 D49

Keywords: teacher learning community; study of elementary mathematics lesson