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Using mathematics literature with prospective secondary mathematics teachers.

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Summary: Literature in mathematics has been found to foster positive improvements in mathematics learning. This manuscript reports on a mathematics teacher educator's use of literature via literature circles with 11 prospective secondary mathematics teachers in a mathematics content course. Using survey and reflection data, the author found that prospective teachers expressed either benefiting or not benefiting from the literature circle practice in this mathematics class. Finally, conclusions and recommendations for future work are shared.

Classification: B50 C59 U90 A90

Keywords: secondary mathematics education; preservice teacher education; research; questioning; mathematics literature; context; mathematics and language; infusing literature into a mathematics classroom; designing mathematics lessons around literature; everyday mathematics; beliefs; self-confidence; content area reading; subject content knowledge

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