



**Dr. Ruth Beatty**

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Dr. Beatty teaches the mathematics methods course for preservice P/J teacher candidates in the Faculty of Education at Lakehead University (Orillia). Her seven-year research study of how children learn complex mathematical concepts, particularly in the domain of “early algebra”, has been supported by a number of federal grants including a three-year Canadian Graduate Scholarship (CGS) awarded by SSHRC. The third year of her CGS study formed the basis for her doctoral thesis, which was selected as OISE/UT’s Outstanding Thesis of the Year. Her work has resulted in a comprehensive curriculum for students in Grades 4 to 10, as well as a model of teacher professional development that links research and practice. It has also resulted in a collaborative partnership with the Ministry of Education to produce online learning objects for linear relations: [www.oame.on.ca/clips](http://www.oame.on.ca/clips). Currently Dr. Beatty is working with members of three Anishinaabe communities and educators from two northern Ontario school boards to research the connections between Anishinaabe ways of knowing mathematics and the Western mathematics found in the Ontario curriculum. The goal of this research is to collaboratively design culturally responsive mathematics instruction for First Nations students, and to learn from and incorporate Anishinaabe pedagogical perspectives in inclusive classroom settings.

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