

Project Title: Turning Teacher-Candidates to Inquiry: Improving Preparation of Future K-12 Teachers in Mathematics and Science through Active Technology Engagement

Project Summary: Our goal is to enhance K-12 mathematics and science (M&S) teacher preparation through the use of electronic response systems (clickers), PeerWise, and SMART boards. As these technologies enter K-12 classrooms, it is important that 500+ UBC teacher-candidates possess the pedagogical knowledge needed to utilize them to support inquiry. To address this challenge we created an online resource: M&S Teaching and Learning through Technology (MSTLTT) and used it in M&S methods courses. This has opened opportunities for teacher-candidates to: (1) **use, design and evaluate** technology-enhanced resources; (2) **devise strategies** for integrating technology to promote inquiry; (3) **become the next generation of leaders** in technology-enhanced education. This year's focus is on ensuring project's sustainability through (a) engaging faculty and students in a community of practice; (b) developing a research component through SSHRC funding; (c) collaborating with the UBC Teacher Education instructors (i.e., EDCP 340/349, EPSE 310) in order to incorporate MSTLTT resource.