Use of tablet PCs to enhance instruction and promote group collaboration in a course to prepare future mathematics specialists.

Summary: This article details the use of tablet PCs in a mathematics content course for future Mathematics Specialists. Instructors used tablet PCs instead of a traditional whiteboard to capture demonstration and discussion. Students were grouped for collaborative problem solving and exploration exercises. Each group was provided with a tablet PC for recording their solutions. Some of these solutions were then presented for whole-class discussion. The digital product resulting from class sessions, was made available to students for out-of-class use. End-of-course surveys show that the use of tablet PCs enhanced the pedagogical impact of the course and perhaps even changed the way in which some students approached the content.

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