Teaching With Technology in a 2nd Grade Classroom

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Unruh, Karin and Nillas, Faculty Advisor, Leah, "Teaching With Technology in a 2nd Grade Classroom" (2012). *John Wesley Powell Student Research Conference*, 38.
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Research Question
• How does technology help students learn concepts and skills?

Literature Review
• Zevenbergen and Lerman (2008) found that students were more engaged in lessons involving the use of interactive whiteboard (IWB).
• Students were motivated to learn when the information was presented using an IWB because it supported all learning styles (Preston & Mowbray, 2008).

Methodology
• 22 second grade students
• Student assessment work, teacher journals, and findings from research studies were collected during student teaching.
• Technological, Pedagogical, and Content Knowledge (TPACK, Mishra and Koehler, 2006) framework was used to analyze the qualitative data.

Results and Data Analysis
• Students learned the concepts and skills when interactive whiteboards were used in the lesson as demonstrated through daily quick checks.
• Analysis of teacher journals showed that students were engaged and motivated which can be shown through their constant eye contact and attention.
• More students volunteered to answer questions when they were able to complete the mathematics problems on the interactive whiteboard.
• The technology and content knowledge were related as shown through student work and teacher journals.

Conclusion
• Interactive whiteboards promote student learning of content and skills.
• Student motivation and engagement is increased when interactive whiteboards are used.
• Findings from this research are specific to only one classroom.
• In the future, I would like to examine more about students’ motivation and engagement involving the use of interactive whiteboards in learning.