Lessons Learned Along the Way: 
KSP609 Research Methods

Carrie Chapman
Web-based Learning Concepts

- Learner centered web recommendations – safe environment/sense of community; facilitate; offer student choice; vary pedagogical activities (Bonk & Cummings, 1998).

- Move learners from passive to active participation, from instructor-directed tasks to self-driven tasks, from non-evaluative sharing to true collaboration (Rodes, Knapczyk, Chapman & Chung, 2000).
The importance of community for safe learning; how to implement communication and collaboration strategies to enhance learner community and cognitive engagement (Liu, Magjuka, Bonk, & Lee, S., 2007)
Forms of Feedback Used

- Original course web-structure, Summer 2009
- Research influence and past web-based instruction experience
- Fall 2009 Student Feedback
- Logistics of Spring 2010 student locations and pedagogical issues
- MSU Online Course Peer Review Rubric
- Linda Jacoby, Ph.D. Peer Review feedback memo and consulting meeting
Example: Integration of Library Mini-Modules

- Collaboration with Lisa Baures, MSU Research Librarian
- Rationale for going to web-based modules
- Content and participation learning objectives developed
- Choice of ISpring software
• Controlled Vocabulary --
• characteristics
  – mandated
  – predefined
  – authorized
• function precludes identifying
  – homographs
  – synonyms
  – spelling variations
  – variant terminology
Beyond the classroom

1. Collaborative Activities Enabled by GroupScribbles (GS): An Exploratory Study of Learning Effectiveness
   Loc: Chee-Kit; Chen, Wenqi; Ng, Foo-Keong
   Computers & Education; v54 n1 p14-26 Jan 2010
   ... are supported by the GroupScribbles (GS) software technology in two Singapore primary science classrooms. The students had ten weeks of GS-based lessons in science, which were co-designed by teachers and researchers to teach the curriculum.
   Accession Number: EJ860876
   View Record | Get Article

2. Effectiveness of a Mobile Plant Learning System in a Science Curriculum in Taiwanese Elementary Education
   Huang, Yueh-Min; Lin, Yen-Ting; Cheng, Shu-Chen
   Computers & Education; v54 n1 p47-58 Jan 2010
   ... Taiwan. To extend opportunities for learning beyond the classroom, this study used personal digital assistants (PDAs) equipped with the MPLS, which provided both teachers and students access to plant information while in the field. A quasi-experimental study showed positive effects.
   Accession Number: EJ860879
   View Record | Get Article

3. Impacts of Mobile Computing on Student Learning in the University: A Comparison of Course Assessment Data
   Hawkes, Mark; Hargeth, C. Ayer
   Journal of Educational Technology Systems; v38 n1 p63-74 2009-2010
   ... selected courses showed that the integration of wireless technology and highly functional computing tools did not have a negative effect on student assessment results. Out of the four courses evaluated, none of the revealed test scores were statistically different.
   Accession Number: EJ84508
   View Record | Get Article

4. Guidance and Advisement Programs Are Proof That Schools Want Their Students to Succeed
   Southern Regional Education Board (SREB); 10pp. Dec 2009.
   ... in this issue include: (1) Advisory Program Boosts Achievement and Career Planning; (2) District-Wide Guidance Program Assists Students at All Levels; (3) High-Minority School Motivates Students to Take Rigorous Courses; (4) High-Minority...
   Corporate Author: Southern Regional Education Board
   Accession Number: EDS04588
   View Record | Get Article
Future Directions for KSP609

- Get further Spring 2010 student feedback
- Adjust and enhance Library modules
- Address further suggestions from Linda Jacoby’s online peer review feedback
- Design additional content area modules (qualitative research concepts, etc.) incorporating more student interaction with content and peers