

KEYNOTE

Infrastructuring Culturally-Situated Design Research in Education



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Abstract: Design research is a genre of inquiry in which the iterative development of solutions to authentic challenges in context provides the setting for scientific investigation. Educational design researchers collaborate with practitioners to analyze the problems being tackled, and to develop and refine solutions, which are informed by (formative) evaluation along the way. This work is multifaceted, requiring the investigators to serve as consultants and designers, as well as researchers. If design research is to realize its potential for engendering (knowledge about) culturally-responsive learning environments, then explicit attention must be given to the infrastructure that can support such multi-faceted work. This presentation discusses core design research processes, along with the roles and competencies they require, before turning to the human, material, and structural features of the environment that can increase the impact of design research endeavors.

Bio: Susan McKenney is professor of teacher professionalization, school development and educational technology at ELAN, the Department of Teacher Professional Development within the Faculty of Behavioral and Management Sciences at Twente University. She is also the program director of Twente's Educational Science and Technology master's program, and of Pro-U, the in-service education program for teachers. Her research focuses on understanding and facilitating the interplay between curriculum development and teacher professional development, and often emphasizes the supportive role of technology in these processes. As such, she also studies synergetic research-practice interactions. Since design-based (implementation) research lends itself to such synergies, her writing and teaching often provide ideas about how to conduct this exciting form of inquiry. In addition to a wide range of service activities, she has given over 50 keynote presentations, authored over 100 peer-reviewed publications, and co-edited 6 scientific journals or books. Her book, *Conducting Educational Design Research* (co-authored with Tom Reeves), is now in its 2nd edition.



MONDAY, NOV. 2
11-11:45 A.M. (ET)