

You are cordially invited to attend

Wednesday, March 20, 2019

12:00 - 1:30 pm

CREATE for STEM Institute (115 Erickson Hall)

Michigan State University

(Light refreshments provided)

Barbara Hug

Teaching Associate Professor, Department of Curriculum and Instruction
University of Illinois Urbana-Champaign

Creating Collaborations across Communities: A central role for curriculum

Abstract:

In this talk, I will share preliminary project findings that show the emergence of overlapping communities of practice during the first three years of an NIH Science Education Partnership Award project. This project, PAGES (Progressing through the Ages: Global change, Evolution, and Societal well-being) is a 5-year curriculum and professional development project working across K-12. As science teachers begin to implement the Next Generation Science Standards, they are being asked to engage in wide-ranging pedagogical shifts in their classroom. Through work done in PAGES, teachers are beginning to use NGSS-aligned PAGES curriculum units in their classrooms and implement many of the necessary shifts. In addition to meeting this classroom based goal of the project, multiple communities of practice have formed around the development and implementation of the PAGES materials. Certain characteristics of these communities allow them to be successful and beneficial at multiple levels. Different aspects of the project (curriculum, professional development and project personnel) have played important roles in allowing these communities to develop and benefit both the individuals and the larger PAGES project.



Barbara Hug is a Teaching Associate Professor in the Department of Curriculum and Instruction at the University of Illinois Urbana-Champaign. Dr. Hug's teaching and research is informed by her science and science education background. Current projects, supported by NSF, NIH and the state of Illinois, are focused on curriculum and professional development that bring together teachers, University scientists and science educators to address the new science standards. With the adoption of the Next Generation Science Standards, new curriculum materials and professional development that support teachers as they make the necessary instructional shifts are essential. Barbara has been at the University of Illinois since 2002. She completed her Ph.D. at the University of Utah in Developmental Biology.

This presentation is part of the **CREATE Seminar Series**.

For more information, please visit

<http://create4stem.msu.edu/seminar-series>



MICHIGAN STATE
UNIVERSITY