



University of  
Central Arkansas™

## *UCA Research in STEM Education Seminar*

**Speakers:** Dr. Linda Griffith and Jamie Mullins, Undergraduate Researcher  
UCA Department of Mathematics

**Title:** Developing and Field Testing Three Act Mathematics Modeling Task for K-5

**Date:** Thursday—February 12, 2015

**Time:** 1:40-2:30 p.m.

**Place:** MCS 115

**“Lunch Provided!”**

**Abstract:** The Common Core State Standards for Mathematics include eight Practice Standards one of which is “Model with Mathematics”. The meaning of this standard and its impact on K-12 mathematics teaching will be discussed during this seminar. To help educators incorporate this standard, Dan Meyer (Standard University) and others have worked extensively to develop and validate Three Act Mathematics Modeling Tasks for grades 6-12. National Council of Supervisors of Mathematics (NCSM) funds the project that will be the focus of this seminar. The project goal is to develop three-act modeling tasks for grades K-5 and validate these tasks through field-testing. The premise behind these tasks will be discussed, the process for developing the tasks will be outlined, and the field-testing process will be explained. An example task will be shared for discussion.