

1092-97-321 **Amanda Katharine Serenevy*** (amanda@riverbendmath.org), 1021 Queensboro, Mishawaka, IN 46544. *Pedagogical Content Knowledge Needed to Transition to the Common Core.*

Since 2006, I have been increasingly involved in helping current and future teachers, mostly in north-central Indiana, to master the pedagogical content knowledge they need. During this session, I will share several specific examples of pedagogical content knowledge needed by most current and future teachers as they transition to the Common Core State Standards. These include methods for scaffolding number sense and critical thinking through the teaching of computational skills, stages needed to transition students from pre-algebraic to algebraic thinking, and conceptual understanding of fractions. I will also share some changes I made to the math courses for future elementary teachers which have been successful in helping future teachers to improve their pedagogical content knowledge. (Received August 12, 2013)