

Northern Kentucky Algebra Community

Project Description, Summer 2009, Fall 2009, Spring 2010

Project Activities: The activities that constitute this project occur in 5 phases:

- (1) Focus Group Phase (2 days, Spring 2009): In this phase, area teachers will be identified from the Algebra Community and from those working with the KYOTE project who are interested in developing a set of materials in Summer 2009 and classroom-testing those materials in Fall 2009.
- (2) Material Development Phase (10 days, Summer 2009): In this phase, those identified teachers, along with NKU Educators and KCM coaches will collect and organize materials for a high school transitional algebra course. Materials will be organized into a set of coherent modules linked to college readiness standards that will better prepare students for college-level algebra.
- (3) Classroom-testing Phase (15 days, Fall 2009): In this phase, teachers who have assisted developing these materials (and possibly other teachers) will classroom-test these materials in cooperation with KDE's videography services.
- (4) Analysis Phase (3 days, Fall 2009): In this phase, NKU Math Educators and assisting teachers will analyze the results of the classroom-tested materials with an eye toward student achievement. Student achievement and fidelity of implementation will be the benchmarks for materials that will be considered exemplary and ready for dissemination.
- (5) Dissemination Phase (Spring 2010): Developed materials will be disseminated through the NKAC's website at www.nkyalgebra.org. Also, exemplary instructional videos will be extracted and presented to area teachers as models of algebra instruction.