



Facilitating teacher growth for student success

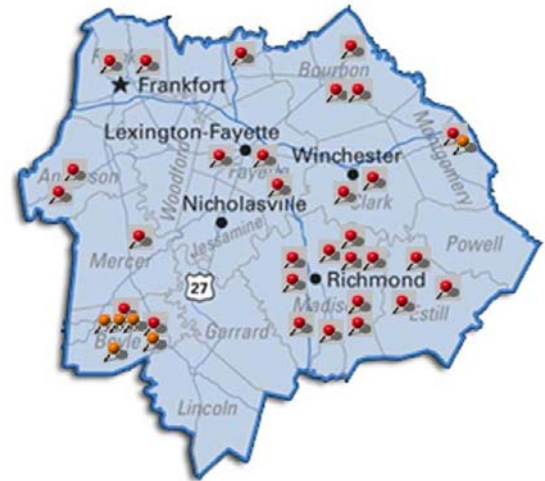
“The intervention program has been the best program not only for the students that need additional help, but for the teachers as well. Teachers are becoming more comfortable with teaching math and understanding how students think and learn. Each year the trainings are getting better and better and are spreading out throughout our schools. Parents are even commenting on what an improvement they are seeing in their child.” -**Helen Blevins, Hogsett Elementary, Danville Independent Schools**

“The professional development provided through Kentucky Center for Mathematics and the Math Achievement Fund has been the most valuable teacher training I have received anywhere as an elementary teacher. I have never felt so excited about how I am teaching and what I am teaching as I do as a mathematics intervention teacher. At the same time, my mind has been opened to an entirely new dialogue about the teaching and learning of mathematics.” -**Olivia Winkle, Northern Elementary, Scott County Schools**

“As a teacher, I have never seen math results like this—the intervention program training and support has given me knowledge I would never have acquired myself. In three years we have made double digits gains. We scored 105 on the state testing!!!” -**Melanie Christmas, Yates Elementary, Fayette County**

“Through nationally norm-referenced assessments, I have seen my intervention students make over 2 years gains in a few months. The Math Achievement Fund Grants are the best run and supported grants I have ever encountered.” -**Suzanne Farmer, Anderson County Early Childhood Center**

Serving all Kentucky regions, including Central Kentucky



The Kentucky Center for Mathematics provides training and support for 34 teachers in Central Kentucky who are directly serving approximately 850 students each year. These 34 teachers also help about 204 other teachers who benefit an additional 5100 students.



Mathematics interventionist **Mary Greene** plays a game with 1st –grade student **Dalton Hatton** at **Kingston Elementary, Madison County**.

Mathematics Intervention Paying off at Kingston Elementary, By Susan Riddell, susan.riddell@education.ky.gov

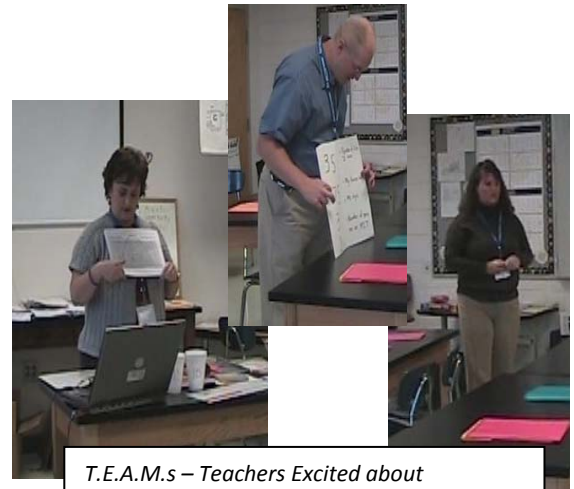
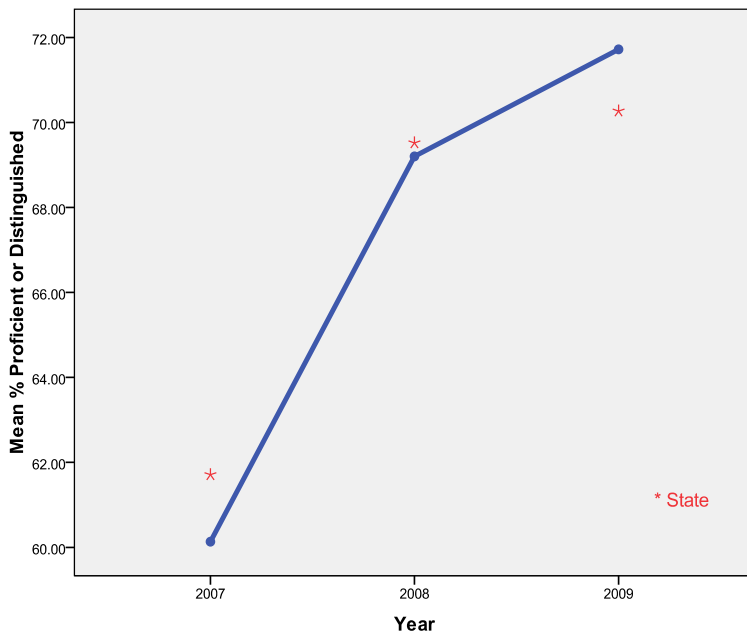
Ruth Montgomery truly believed mathematics intervention would help her school. She was right. **The Kingston Elementary School (Madison County)** principal said the school’s prior year’s Commonwealth Accountability Testing System (CATS) data showed students had the skills required but struggled when asked to apply concepts learned at a deeper level. In her view, this indicated a possible lack of “number sense,” which lead to unsustainable growth. Mathematics intervention began at Kingston during the 2006-07 school year, and the school is now in the fourth year of a Mathematics Achievement Fund grant, which was co-written by Amy Smith, a grant writer for Madison County, and former Madison County Curriculum Coach Krista Althaus. See the full article at <http://kymath.org/docs/2009/Kentucky%20Teacher-March.pdf>

Astonishing Progress

		% Proficient or Distinguished KCCT 2009	Change in Proficient or Distinguished 2007 to 2009
Clark County	Fannie Bush Elementary School	58.65%	+21.51
Danville Independent	Toliver Elementary School	81.45%	+23.06
Estill County	West Irvine Elementary School	77.09%	+22.29
Fayette County	James Lane Allen Elementary School	72.30%	+22.55
Madison County	White Hall Elementary School	93.57%	+7.4
Paris Independent	Paris Elementary School	72.53%	+34.17
State Mean		70.27%	+8.56
Central Kentucky	Mathematics Achievement Intervention Schools	71.27%	+11.65

Schools with a mathematics intervention teacher were below the state mean in 2007, but exceeded the state mean in 2009. (See chart below).

**Mathematics Intervention Schools in Central Kentucky
Kentucky Core Content Test % Proficient and Distinguished**



T.E.A.M.s – Teachers Excited about Mathematics, a session presented to colleagues at the Kentucky Council of Teachers 2009 Annual Conference by (left) **Selisa Adams, South Irvine P/K Center, Estill County**, (middle) **Calvin Music, Porter Elementary, Johnson County** and (far right) **JoLin Owens, West Irvine Elementary, Estill County Schools**.