

GOOD NEWS

FROM THE KENTUCKY CENTER
FOR MATHEMATICS



KCM INITIATIVES SUPPORT NEW KENTUCKY ACADEMIC STANDARDS

The KCM is very excited to announce a series of new summer institutes with supporting online modules to help teachers effectively transition to the Kentucky Academic Standards for Mathematics (KAS-M). Collaborating with Northern Kentucky University and the Kentucky Department of Education (KDE), KCM has designed these courses to highlight the mathematical connections within and across grade levels.

KDE Division Director Krista Hall explains that the "newly revised KAS-M provides an excellent opportunity for educators to evaluate the intent of the content and practice standards as well as the alignment of their current curriculum." Hall adds that the KCM will assist teachers in navigating these new standards and the "instructional implications necessary for students to succeed."

Diligent teacher-leaders from across the Commonwealth are stepping up and will attend the summer institutes and a series of online leader meetings, which will assist them in facilitating learning experiences at their schools. Teacher-participants at each of the leader's schools will attend professional learning communities guided by the leaders. KCM will provide support to the teachers during these learning experiences.

Primary online modules, "Building Blocks of Number Sense and Operations," are targeted at Pre-K, Kindergarten and 1st grade teachers. Teachers will examine early elementary standards and explore core concepts through various activities. The modules were created to align with KAS-M standards that expect children to develop a sense of quantity and number relations with increased rigor and depth of understanding.

Intermediate modules, titled "Connections Between 5th Grade Measurement/Data and 6th Grade Ratio/Proportional Reasoning and Statistics," are geared toward 5th and 6th

grade teachers. These modules address standards that connect 5th grade-level operation work with real-world measurement and data solutions and 6th grade standards for ratios and proportional relationships and statistics and probability.

High school online modules, called "Transition from Middle Grades Ratios & Proportions to High School Algebra & Geometry," are designed for 7th, 8th and high school Algebra/Geometry teachers. These modules correlate with the KAS-M trajectory from 7th grade proportions, through 8th grade standards, finally leading into high school standards. "It will be eye-opening for many teachers to see how one 7th grade standard is the foundation for so much mathematical understanding in 8th grade and in Algebra 1 and Geometry," says KCM's Dee Crescitelli. Participants in

"I am excited that we are able to give teachers the opportunity to dig into the connections between grades and topics!"

-DEE CRESCITELLI,
KCM DIRECTOR



this module will learn ways to engage their students with natural connections to the standards.

These courses will provide teachers with resources and ideas that ensure Kentucky children are positively impacted by the new KAS-M standards. Participating schools will assist by providing materials for the teacher-participants. The modules and facilitation materials will be available on both the KDE and KCM websites for public use next year.