

Math-in-CTE

The state of Mississippi is now in its second year of implementing the Math-in-CTE model of curriculum integration. The model is grounded in research conducted by the National Research Center for Career and Technical Education which showed that high school students who participate in a math-enhanced CTE curriculum develop a better understanding of mathematical concepts than do their counterparts who participate in the traditional CTE curriculum. Moreover, they improve their math skills without losing important technical skills.

Math-in-CTE is not a curriculum; rather, it is a process and a pedagogy through which the math that naturally occurs in existing CTE curricula may be enhanced. In other words, CTE teachers are not asked to replace their curriculum. Instead, while working with math teacher partners in larger communities of practice, they learn to examine the curricula they already teach in order to identify the intersection of CTE and math concepts. They then create math-enhanced CTE lessons using a seven-element pedagogic model and integrate the lessons into their courses.

For more information on Math-in-CTE, contact Debbie Fougrousse, State Coordinator at 601-359-3986 or dfougrousse@mde.k12.ms.us or Tammie Bullard, NEMCC Tech Prep Coordinator at tjbullard@nemcc.edu.

Teacher Team Training July 20-24, 2009 Tupelo, MS



Lester Magee , math teacher and Roshanda Alexander, Allied Health are from Lawrence County School District



Jack Jones, Manufacturing and Tiffany Lowery, math teacher are both from Tishomingo County School District



Mary Taylor , Allied Health and Chaz Ladner, math teacher are from Lamar County School District

