

Southwest Early College Campus

## Mathematical Modeling Workshops

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**When:** Saturdays Dec. 3, Dec. 10, and Dec. 17, 2011 10:00 am – 12 noon

**Where:** Writing Center room (off the west side of the cafeteria), Southwest campus  
[On Saturdays, enter the school from the back, near the cafeteria.]

**For Whom:** Up to 15 Southwest high school students taking dual-credit College Algebra, Trigonometry, or Calculus I, nominated by Mr. Dryburgh, the dual-credit Mathematics teacher.

Students must commit to attending all three workshops.

**By Whom:** Dr. Besse and Dr. Delaware of the University of Missouri – Kansas City Department of Mathematics and Statistics

**What:** Here's what you'll be doing in these intensive workshops:

- As a group, work on and solve mathematical problems modeling real world situations.
- Prepare a presentation of the work for the Southwest Mathematics Awards Ceremony on Tuesday Dec. 20 during 7<sup>th</sup> period in the Cafeteria.
- Prepare to field a Southwest team next Fall for the national COMAP High School Mathematical Contest in Modeling (HiMCM), Nov. 4-21, 2012.

**Supplies:** Students must bring notebooks to record the work, & pens/pencils. Snacks will be provided on the first two Saturdays, and a final lunch on the third Saturday.

**Note:** We use the 2011 Teachers College, Columbia University, **Mathematical Modeling Handbook**, published by COMAP, which supports implementation of the "Common Core State Standards for Mathematics" in the high school mathematical modeling conceptual category, designed to help students develop a "mathematical disposition" and recognize mathematical opportunities in everyday events.

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