

Mathematical Modeling Workshop

When: Saturdays Mar. 3, Mar. 10, and Mar. 17, 2012 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. 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:

- In groups, work on & solve mathematical problems modeling the real world.
- Prepare a written paper (at least 5 pages) of the work.
- 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 pens and/or 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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